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NITROGEN DIOXIDE PHOTOLYTIC, RADIOMETRIC, AND METEROLOGICAL FIELD DATA

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Photolysis of nitrogen dioxide is a major reaction resulting in the formation of ozone in the troposphere. The rate constant, k_1, for the photodissociation of NO_2 is, under ambient conditions, a function of latitude, solar zenith angle, and cloud cover; therefore, k_1 is highly variable.

Nitrogen dioxide photolysis data for calculating k_1, and radiometric and selected meteorological data, all under a variety of meteorological conditions, were collected during the spring and fall, 1975. Data from this study can be used to aid the modeling of tropospheric photochemical air quality and smog chamber results.

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ABSTRACT

Photolysis of nitrogen dioxide is the major reaction resulting in the formation of ozone in the troposphere. Under ambient conditions, k_1, the rate constant for the photodissociation of NO_2, is a function of solar altitude and cloud cover and, therefore, is highly variable.

The objective of this study was to collect k_1, radiometric, and selected meteorological data over periods of several days under a variety of meteorological conditions. Data were collected during the spring and fall of 1975. Eight days of data were collected between 21 April and 30 April. The time resolution of these data was 10 minutes for 6 days and 5 minutes for the remaining 2 days. Between 3 October and 31 October, 13 days of data were collected with 1-minute time resolution. Data from this study are needed to aid the modeling of tropospheric photochemical air quality and smog chamber results.

This report was submitted in fulfillment of Task C of Contract No. 68-02-2258 by the Research Triangle Institute under the sponsorship of the U.S. Environmental Protection Agency. This report covers a period from June 30, 1975, to June 30, 1977, and work was completed as of July 31, 1977.

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We gratefully acknowledge these individuals for their efforts in bringing this project to a successful conclusion.

SECTION 1

INTRODUCTION

BACKGROUND

The photolysis of nitrogen dioxide (NO_2) is considered to be the primary stimulus to chemical change for photochemical air pollution systems. It is the major, if not the only, reaction resulting in the tropospheric formation of ozone. The rate constant for the photodissociation of NO_2 is usually represented as "Φka for NO_2" or simply as "k_1". Continuous k_1 data are needed to aid the interpretation of photochemical air quality data and as input for computer models of smog chamber results.

Under ambient conditions, k_1 is not constant. It is a function of the sun's position in the sky and thus is dependent on time of day, season of year, and geographical location. Variable atmospheric conditions, such as cloud cover and aerosol loading, influence ambient sunlight intensity and thereby preclude the accurate prediction of k_1 over the sunlit portion of the day. Although continuous radiometric instrumentation is available for determining both ultraviolet (UV) and total solar radiation (TSR), relationships between measurements with these instruments and chemically meaningful light intensity are not well established.

OBJECTIVES

A device has been developed by Sickles and Jeffries[1] to monitor k_1, the rate constant for the photodissociation of NO_2. The purpose of the task described in the present document was to collect 21 days of ambient k_1 data using the technique of Sickles and Jeffries.[1] Each day's measurements were to be collected from sunup until sundown. In addition to the k_1 data, radiometric data and meteorological conditions were also to be recorded. The scope of this task was limited to data collection; the analysis and interpretation of the results are, therefore, deferred to future studies.

SECTION 2

SUMMARY AND RECOMMENDATIONS

The objective of this study was to collect several days of ambient k_1, radiometric, and selected meteorological data under a variety of meteorological conditions.

A total of 21 days of data was collected during spring and fall measurement periods in 1975. Eight days of data were collected between 21 April and 30 April. The time resolution of this data was 10 min for 6 days and 5 min for the remaining 2 days. Between 3 October and 31 October, 13 days of data were collected with 1-min time resolution.

The estimated precision of the k_1 determinations in the present study is ± 8 percent. This can be improved substantially by improving the precision of gas flow rate control. It is suggested that mass flow controllers could satisfy this requirement. This approach should be considered in future k_1 measurement programs that employ the technique used in the present study.

The data from this study are needed for two reasons:

1. To provide much-needed kinetic information to modelers of polluted atmospheres and smog chambers.
2. To provide a data base for correlating ambient k_1 measurements with solar radiation data as determined by conventional radiometric instrumentation.

It is recommended that the data compiled in this study be analyzed in detail. Correlations of k_1 and radiometer data should be made. Such analyses would allow future and historical radiometric data to be applied directly in airshed modeling.

The following recommended approach would involve statistical analyses of data collected over different time scales.

1. The data should be stratified into hourly and daily data sets. Regressions should be compared for each hour of every measurement day. These should also be compared with overall regressions for each corresponding measurement day.
2. Day-to-day comparisons of k_1 data should be made to examine the effects of local weather conditions such as clear versus overcast sky conditions. Other atmospheric factors that may change considerably from day to day include ozone column, water vapor concentration, and haze or particulate loading. The influence of these factors on ambient k_1 data should be explored.
3. The data from the spring and fall measurement periods should be compared. From this analysis, trends indicative of seasonal behavior may become apparent. In addition, overall regressions for the measurement period should be compiled.

In addition to analyzing and interpreting the data collected in the present study, it is recommended that a more extensive measurement program be undertaken. Such an effort would have two major goals: to develop an extensive data base at a single ground station and to measure the dependence of k_1 on vertical altitude. The first phase of the program would require collecting and archiving k_1, radiometer, and meteorological data at a single ground station over at least a 1-yr period. This effort would establish a sufficient data base for statistical analyses. Not only could the types of statistical data analyses suggested previously be conducted, but additional tests to isolate seasonal effects could be performed as well.

The second phase of the program would require mounting the k_1 device on an aircraft and collecting actinic flux data as determined by this chemical actinometer at altitudes up to 10 km. Atmospheric aerosols contribute significantly to the optical thickness of the atmosphere. This is particularly evident near the earth's surface where these aerosols are highly concentrated. It has been suggested recently from model predictions that this phenomena may be responsible for a marked increase in actinic flux with altitude through the lowest few kilometers of the atmosphere.[2] These predictions suggest that the actinic flux at 1 km may be 20 to 60 percent larger than that at the surface of the earth. This should be verified by a field program employing an airborne measurement platform.

An alternate approach might employ ground stations located on a mountain top and in a nearby valley. Although this approach may not address the question at hand as specifically as the airborne program, it would be simpler to implement.

SECTION 3

EXPERIMENTAL

DESCRIPTION OF THE k_1 DEVICE

This subsection describes the operation of each of the two k_1 devices employed in this study. For more details concerning the theoretical development of the technique, the original paper[1] should be consulted.

Apparatus

A schematic of the k_1 device and gas delivery system is presented in Figure 1. A stream of approximately 37 ppm NO_2 in nitrogen was blended with a nitrogen stream to yield a nominal concentration of 1.5 ppm. Commercially prepared cylinders of NO_2 in nitrogen (Scott) and oxygen-free nitrogen (Matheson) were used. The NO_2-N_2 delivery system consisted of the following hardware: gas cylinders, dual-stage stainless steel diaphragm pressure regulators, stainless steel precision needle valves, Teflon mixing tees, and 3.2-mm ID Teflon tubing. Forty-five-meter lengths of 2.5-cm ID black PVC tubing were employed as light-shielded umbilical cords. Each cord contained the 3.2-mm Teflon feed and effluent lines. The umbilical cord served to connect its flask with the remainder of the gas delivery system and the NO_x analyzer that were housed in a mobile laboratory. A nominal flow rate of 1 liter/min was maintained. This corresponds to a 20-s residence time from the flask to the NO_x analyzer. Flow rate from the effluent line was measured periodically with a wet test meter.

Nitrogen Oxides Analyzer

Two Bendix Model 8101-B Oxides of Nitrogen Analyzers were employed in the study. A separate instrument was used to monitor the NO and NO_2 concentrations from the effluent lines of each of the two k_1 devices. The principle of operation employs the chemiluminescent gas-phase reaction between

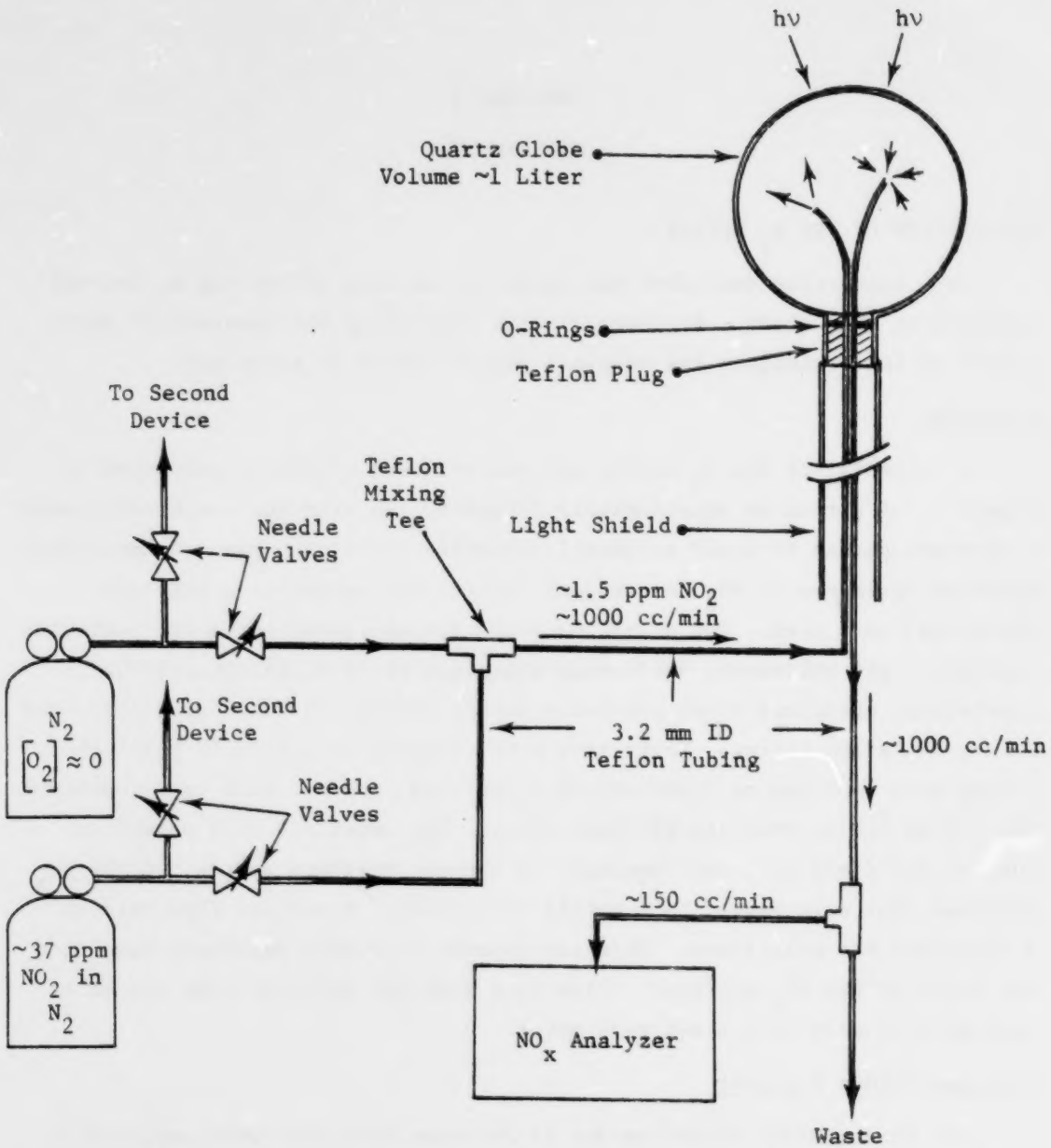

Figure 1. Flow diagram of 1-liter quartz globe CSTR for nitrogen dioxide photolysis rate measurement.

NO and O_3. Two modes of operation are required to determine both [NO] and $[NO_2]$. Nitric oxide concentration is determined first using the reaction between NO and O_3. The determination of $[NO_2]$, however, requires catalytic reduction of NO_2 to NO prior to the reaction of NO with ozone. After reduction of NO_2 to NO, the signal from the total NO in the sample is taken to be the NO_x concentration. Electronic subtraction of the original NO signal from the NO_x signal gives the NO_2 concentration. In the normal "$NO\text{-}NO_x\text{-}NO_2$" mode, the instrument operates on a 1-min cycle: NO_2 and NO_x concentrations are updated at the end of the first 30-s interval and the NO concentration is updated at the end of the second 30-s interval. Continued exposure to high concentrations of NO_2 such as that from the k_1 device causes the performance of the reducing catalyst to deteriorate. The instrument was, therefore, operated primarily in the "NO only" mode. Brief operation in the "$NO\text{-}NO_x\text{-}NO_2$" mode once every 3 to 6 h verified the constancy of the NO_x concentration from the k_1 device and thus allowed determination of the NO_2 concentration at any time by a mass balance calculation. The analyzer was operated on a range of 0 to 2 ppm with a minimum detectable concentration of 0.005 ppm.

Theory

A mixture of NO_2 in nitrogen was fed to a spherical quartz continuous stirred tank reactor (CSTR) of volume, V, where light of the appropriate wavelengths caused the NO_2 to photodissociate. The measured flow rate (Q) and NO and NO_2 concentration levels in both the CSTR feed and effluent streams may then be transformed by Equation 1 to a k_1 value. Equation 1 applies for constant temperature conditions only.

$$k_1 = \frac{\Delta[NO_2]}{2\tau[NO_2]} \left[1 + R_1 + R_2 \frac{[NO]_o + \Delta[NO_2]}{[NO_2]}\right] \quad (1)$$

where

$\Delta[NO_2]$ = decrease in $[NO_2]$ due to reaction = $[NO_2]_o - [NO_2]$

$[NO_2]_o$ = concentration of NO_2 in the feed stream

$[NO_2]$ = concentration of NO_2 in the effluent stream

$[NO]_o$ = concentration of NO in the feed stream

$[NO]$ = concentration of NO in the effluent stream

τ = residence time in the reactor = V/Q

(Note that if flow rate is measured at laboratory temperature (298°K) and the reactor is at a different temperature (T°K), then the temperature correction factor (298/T) must be applied to correct the residence time)

V = flask volume

Q = flow rate

R_1 = ratio k'[M]/k" for the following two reactions:

$$O + NO_2 + M \xrightarrow{k'} NO_3 + M$$

$$k' = 1.0 \times 10^{-31} \text{ cm}^6 \text{ molec}^{-2} \text{ sec}^{-1}$$

$$O + NO_2 \xrightarrow{k''} NO + O_2$$

$$k'' = 9.1 \times 10^{-12} \text{ cm}^3 \text{ molec}^{-1} \text{ sec}^{-1}$$

Both k' and k" are reported to be independent of temperature.[3] The temperature dependency of the third body concentration ($[M] = [N_2] = 2.463 \times 10^{19}$ molec cm^{-3} at 298°K) may be incorporated into the following expression for the dimensionless ratio, R_1:

$$R_1 = 80.664/T$$

Note that at 298°K, $R_1 = 0.27$.

R_2 = ratio k'"[M]/k"

$$O + NO + M \xrightarrow{k'''} NO_2 + M$$

$$k''' = 4.2 \times 10^{-33} e^{940/T} \text{ cm}^6 \text{ molec}^{-2} \text{ sec}^{-1}$$

The temperature dependency of both the third body concentration and k'" may be incorporated into the following expression for the dimensionless ratio, R_2:

$$R_2 = \frac{3.3879}{T} e^{940/T}$$

Note that at 298°K, $R_2 = 0.27$.

A mass balance on nitrogen oxides (NO_x) for the CSTR may be written.

$$[NO]_o + [NO_2]_o = [NO] + [NO_2] = [NO_x] = \text{constant}$$

This expression may be combined with Equation 1 to arrive at Equation 2. Equations 1 and 2 apply only for constant temperature conditions.

$$k_1 = \frac{([NO] - [NO]_o)}{2\tau([NO_x] - [NO])} \left[1 + R_1 + R_2 \frac{[NO]}{[NO_x] - [NO]}\right] \quad (2)$$

Equation 3 may be derived for variable temperature conditions by substituting the temperature-dependent expressions for R_1 and R_2 and the temperature-corrected expression for τ into Equation 2. Equation 3 is the formula used in this study to calculate k_1.

$$k_1 = \frac{([NO] - [NO]_o)}{2\tau([NO_x] - [NO])} \left[\frac{T}{298}\right]\left[1 + \frac{80.664}{T} + \frac{3.3879}{T} e^{940/T} \frac{[NO]}{[NO_x] - [NO]}\right] \quad (3)$$

Calculations

Raw nitrogen oxides concentration data for both the spring and the fall measurement periods were corrected by applying the appropriate span and zero correction factors. The other input data that are required for the calculation of k_1 were assumed to be constant for each measurement day: flask volume, initial NO concentration, volumetric flow rate, and total NO_x concentration. The flask volume is constant. The $[NO]_o$ was generally small: between 0.00 and 0.02 ppm. Mean values of Q and $[NO_x]$ were determined for each measurement day. Relative percent variations (%RV), i.e., percentage of the average constituting the range, were also calculated for Q and $[NO_x]$. The required input data (V, $[NO]_o$, Q, and $[NO_x]$) for each measurement day

are presented in Table 1 along with %RV for Q and $[NO_x]$. Relative variations were generally less than 7 percent.

For both measurement periods, ambient air temperature data were assumed to be representative of flask effluent conditions and were employed in the k_1 computing formula, Equation 3. In the event of missing temperature data, default temperatures interpolated from the 3-h data collected at the Raleigh Durham Airport (RDU)[4] were employed.

RADIOMETRIC INSTRUMENTS

Radiometric instruments were provided by the EPA Division of Meteorology. These instruments were positioned on an 8-m-tall wooden platform. Data from four radiometers were collected during both the spring and fall measurement periods. The operating characteristics of these four instruments are summarized in Table 2. The following paragraphs provide a brief description of each instrument. A more complete description of each instrument is presented by Coulson.[5]

The Eppley Precision Spectral Pyranometer is used to measure total solar radiation and can also be used with various Schott optical filters to measure ultraviolet radiation and solar radiation in selected spectral bands. The sensing element is a thermopile of copper electroplated on constantan wire over one-half of each turn of a wire-wound thermopile.

In this study two such devices were employed: one with a 295-nm filter (TSR) and one with a 395-nm filter (395). Total solar radiation was determined by the first device using a clear WG7 Schott filter. The second device employed a Schott GG 395 filter for the determination of light intensity at wavelengths longer than 395 nm. Although the difference between the TSR and 395 outputs was not calculated in the present study, this value should correspond closely to that of the ultraviolet sensor.

The Eppley Ultraviolet Radiometer (UV) is designed to measure global flux in the near ultraviolet region (295-385 nm). The sensing element for this device is a Weston selenium barrier-layer photoelectric cell.

The Eppley Normal Incidence Pyrheliometer (NIP) is used to measure direct solar radiation. The sensing element is a fast response wire-wound plated (copper-constantan) multijunction thermopile with a 9-mm-diameter

TABLE 1. SUMMARY OF INPUT DATA

Lunar date	Julian date	$\bar{V}$ (cm^3)	$[NO]_o$ ppm	Q[b] ($cm^3\ min^{-1}$)	%RV[c]	$[NO_x]$[d]	%RV[e]
4-21-75	111	1174	0.012	886	2.9	1.707	1.3
4-22-75	112	1174	0.014	887	2.3	1.646	2.6
4-23-75	113	1174	0.010	902	0.6	1.490	1.1
4-25-75	115	1174	0.011	897	1.2	1.586	1.2
4-27-75	117	1174	0.005	900	0.3	1.520	3.0
4-28-75	118	1174	0.011	915	0.7	1.474	2.0
4-29-75	119	1174	0.011	898	1.3	1.233	0.3
4-30-75	120	1174	0.015	922	3.2	1.228	7.2
10-10-75	283	1185	0.004	1005	1.6	1.064	ND
10-12-75	285	1185	0.000	1026	5.7	1.032	ND
10-14-75	287	1185	0.000	1027	2.7	1.033	ND
10-16-75	289	1185	0.002	1053	3.1	1.024	ND
10-20-75	293	1185	0.000	1094	6.3	0.969	ND
10-22-75	295	1185	0.002	1117	3.3	0.898	ND
10-23-75	296	1185	0.000	1131	7.1	0.914	ND
10-24-75	297	1185	0.002	1129	3.6	0.969	ND
10-27-75	300	1185	0.006	1126	3.2	0.885	ND
10-28-75	301	1185	0.020	1122	3.0	0.874	ND
10-29-75	302	1185	0.004	1104	5.5	0.887	ND
10-30-75	303	1185	0.012	1116	3.0	0.952	ND
10-31-75	304	1185	0.015	1105	3.9	0.869	ND

[a] Volume of flask.

[b] Mean value of flow rate over measurement day.

[c] Relative percent variation for Q, i.e., [(range x 100) ÷ mean].

[d] Mean value of $[NO_x]$ over measurement day.

[e] Relative percent variation for $[NO_x]$; ND = not determined.

TABLE 2. CHARACTERISTICS OF RADIOMETRIC INSTRUMENTS

Designation	TSR	395	UV	NIP
Manufacturer	Eppley	Eppley	Eppley	Eppley
Model	Precision Spectral Pyranometer	Precision Spectral Pyranometer	Ultraviolet Radiometer	Normal Incidence Pyrheliometer
Operating principle	Thermopile	Thermopile	Photoelectric cell	Thermopile
Range,[a] W m^{-2}	0-2800	0-2800	0-70	0-2800
Sensitivity, mV/(W m^{-2})	9	9	150	8
Response time, s	1	1	10^{-3}	1

[a] 1 Langley = 1 cal cm^{-2} $\simeq$ 700 W m^{-2}.

receiver coated with Parsons optical black lacquer. The instrument was attached to an electrically driven equatorial mount for solar tracking.

TEMPERATURE

An ambient air temperature monitoring instrument was provided by EPA. Air temperature was determined by a thermistor located in a Gill Aspirated Temperature-Radiation Shield. Measurement errors are within $\pm$0.05° C. Ambient air temperature data are reported for both the spring and the fall measurement periods.

METEOROLOGICAL OBSERVATIONS

The meteorological conditions for the measurement days are characterized by such data as cloud cover, visibility, temperature, and relative humidity. These and additional environmental data are collected by the National Weather Service at RDU.[4] The measurement site for the present study is located within 8 km of RDU. Meteorological conditions at RDU are considered to be generally representative of those existing at the measurement site and therefore are reported in this study.

MEASUREMENT PROGRAM

Data were collected during the spring (April) and again during the fall (October) of 1975. The types of measurements that were conducted during each period are summarized in Table 3.

SITE DESCRIPTION

Data were collected near a building on Davis Drive in Research Triangle Park, North Carolina, which houses part of the EPA Division of Meteorology. The general layout of the site is illustrated in Figure 2.

Two instruments were employed in this study to measure k_1. One of these devices designated as "Flask A" or the "Platform Flask" was normally located on an 8-m-tall wooden platform that also supported a battery of radiometric

TABLE 3. SUMMARY OF MEASUREMENT PROGRAM

	Spring 1975[a]	Fall 1975[b]
NO, NO_2, NO_x (Flask A)[c]	√	[d]
NO, NO_2, NO_x (Flask B)	[d]	√
TSR	√	√
395	√	√
UV	√	√
NIP	√	√
Ambient temperature	√	√
Meteorological conditions[e]	√	√

[a] Measurement period April 21-30, 1975; note that time resolution was usually once per 10 minutes.

[b] Measurement period October 3-31, 1975; note that time resolution was once per minute.

[c] For k_1 determinations.

[d] Data from this instrument were invalidated due to NO_x instrument drift and anomalous behavior.

[e] Meteorological conditions were reported for each measurement period by the U.S. Weather Service at the Raleigh-Durham Airport.[4]

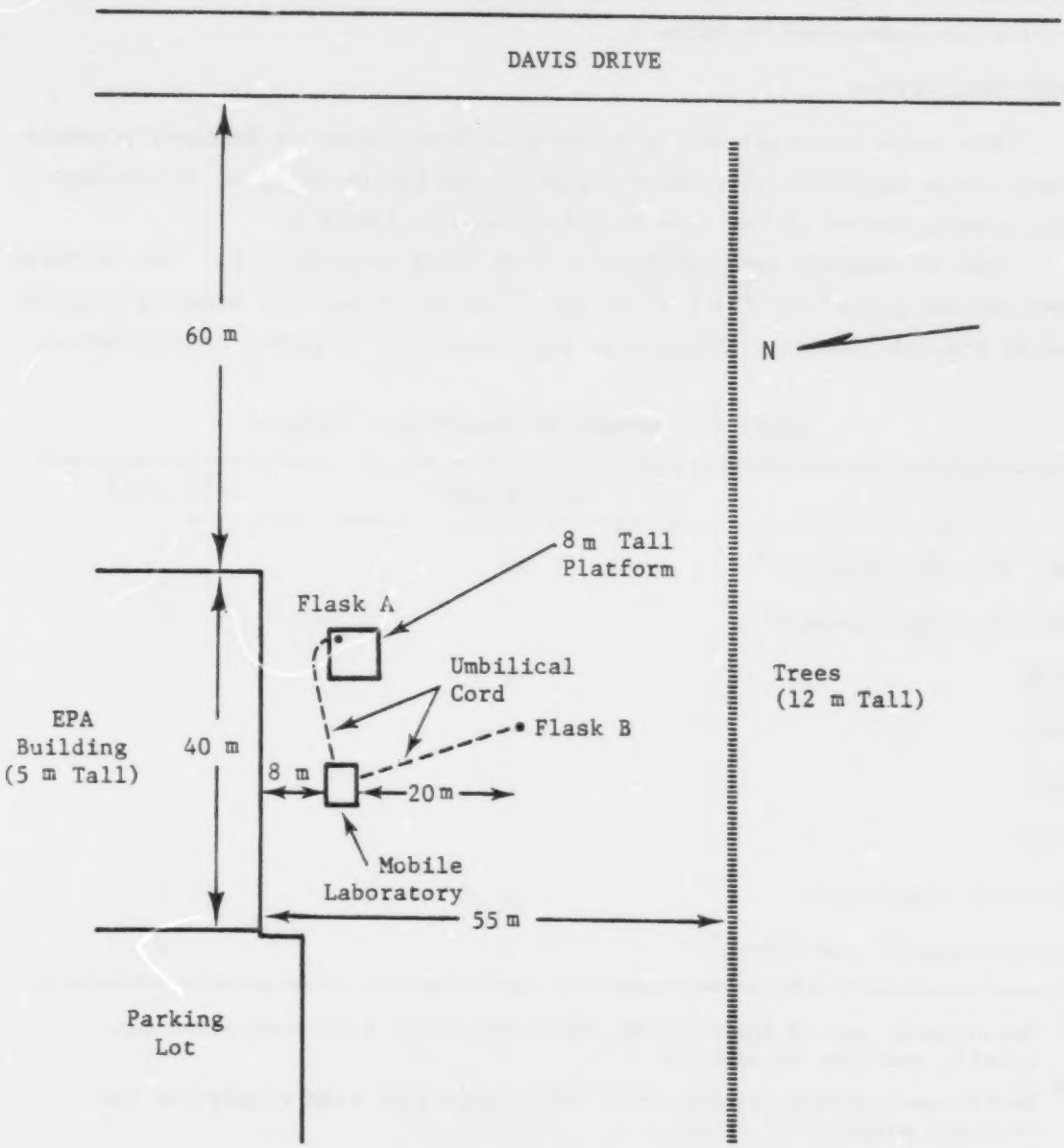

Figure 2. General layout of the data collection site in Research Triangle Park, North Carolina.

sensors. This flask was positioned at the center of a flat, 1.5 m x 1.5 m square surface that had been painted with optical black paint. This configuration was chosen to limit the view angle of the k_1 sensor to the skyward hemisphere by blocking reflected light from the earth's surface.

The second of these devices, designated as "Flask B" or the "Tower Flask" was suspended by a 2.5-cm-diameter pipe over a grassy area. The view angle of this flask was essentially 360°. The nearest obstruction was approximately 20 m from the device.

DATA ACQUISITION

During the spring measurement period, the nitrogen oxides concentrations determined by instruments housed in a mobile laboratory were recorded on strip charts (see Figure 2). Subsequently, these records were manually reduced into the form of 1-min average values at 10-min intervals for each measurement day. This 10-min NO_x data set was then computerized.

Instantaneous radiometric and ambient air temperature data were acquired at 1-min intervals by a Digitem automatic data acquisition system. This data system was maintained by the EPA Division of Meteorology for the purpose of archiving local environmental data. The 1-min radiometric and temperature data were computerized and then machine-sorted. Data collected at the same time as the NO_x data were retained. The NO_x data and the corresponding radiometric and temperature data were then merged into a single computerized raw data set for the spring period.

During the fall measurement period, all the raw data (nitrogen oxides concentration, radiometric, and temperature data) were acquired by the EPA data system at 1-min intervals over each measurement day. Backup strip chart records were also maintained for nitrogen oxides concentrations and radiometric data. The 1-min data were subsequently computerized into a raw data set for the fall period.

PROCEDURE

Zero and span settings of the NO_x analyzers were adjusted prior to dawn or on the evening before a measurement day. Calibrations for NO and NO_x were established by dilution of a certified cylinder of NO in nitrogen. Calibration for NO_2 was performed by using the NO_2 produced from the gas-

phase titration of known NO concentrations with O_3 from a calibrated ozone generator.

Nitrogen and NO_2 flow rates to each flask were adjusted to the nominal target values prior to dawn. Initial concentrations of NO, NO_2, and NO_x were recorded, and the effluent flow rates were determined with a wet test meter. To prevent deterioration of the NO_2-reducing catalyst, the NO_x analyzers were operated primarily in the "NO only" mode. Both radiometric and NO concentration data were acquired either on strip charts or by an automatic data acquisition system. The instruments then remained essentially unattended for 3- to 6-h intervals. Between these intervals, flow rates were measured and the NO_x analyzers were operated in the "NO-NO_x-NO_2" mode. These periodic determinations were performed to assess the variability of the flow rates and the NO_x concentrations from each flask.

During the early morning hours, dew appeared on the surface of the flasks. The flask surfaces were manually wiped during this period. Time records of the flow checks and condensate removal activities were maintained, and data for these periods were invalidated and removed from the final data set.

During the spring measurement period, the position of Flask A was not fixed from day to day; whereas Flask B remained in a fixed location during both measurement periods (see Figure 2). On 21 April and throughout the morning of 22 April, both flasks were suspended at a height of approximately 3 m above a grassy area. At 1310 EST on 22 April, Flask A was repositioned at approximately 2 cm above the grassy area. Flask A remained at this location until it was moved to the 8-m wooden platform at 1450 EST on 24 April. Flask A remained on the platform for the remainder of the spring measurement period and throughout the fall measurement period.

Flask B remained in a more or less fixed location during both measurement periods (see Figure 2). From 21 April through 28 April, it was suspended at a height of approximately 3 m above a grassy area. The height was increased to approximately 8 m at 1645 EST on the afternoon of 28 April. Data were collected on 29 April, 30 April, and throughout the fall measurement period with Flask B at 8 m above a grassy field.

SECTION 4

RESULTS

DATA

Eight days of k_1 data were collected using Flask A during the spring measurement period, and 13 days of data were collected using Flask B during the fall period. The environmental conditions that existed on each day of the measurement program are summarized in Table 4. The measurement day is identified in the first column. The percent of possible minutes of direct sunshine (%SS) and the percent of sky cover (%SC) are listed in the next two columns.[4] Total atmospheric ozone concentration determined at Wallops Island, Virginia, and at Nashville, Tennessee,[6] are listed in the next two columns. Selected meteorological observations at RDU[4] such as daily maximum temperature, daily minimum temperature, daily mean dew point temperatures, and comments on the prevailing meteorological conditions complete the table.

The [NO] and k_1 data for Flask A and temperature and solar radiation data are compiled in Appendix A for each day of the spring measurement period. Note that these data are tabulated at 10-min intervals for each measurement day except 4-23-75 and 4-27-75, and 5-min data are provided for these days. Local climatological data for April 1975 are presented in Appendix B.

Data for the fall measurement period are tabulated at 1-min intervals in Appendix C. The values presented in this appendix are [NO] and k_1 data for Flask B and temperature and solar radiation data. Local climatological data for October 1975 are presented in Appendix D.

The tabulated [NO] and temperature data may be used with the input data listed in Table 1 to verify the k_1 values in Appendixes A and C. As noted in a previous section, Equation 3 is the formula used to calculate the k_1 data that are tabulated in Appendixes A and C.

TABLE 4. SUMMARY OF ENVIRONMENTAL DATA

Lunar Date	Julian Date	%SS[a]	%SC[b]	O_3[c]	O_3[d]	T_{max}[e]	T_{min}[f]	T_{DP}[g]	Comments
4-21-75	111	100	0	382	364	19	3	-1	Clear
4-22-75	112	98	10	380	349	23	2	3	Clear
4-23-75	113	78	80	355	341	26	11	11	Partly cloudy
4-25-75	115	63	100	337	---	28	16	17	Partly cloudy
4-27-75	117	94	50	392	---	23	9	5	Partly cloudy
4-28-75	118	3	100	---	341	18	12	13	Rain, fog
4-29-75	119	30	100	---	342	22	12	14	Fog, haze
4-30-75	120	0	100	363	---	15	12	12	Fog, drizzle, haze
10-10-75	283	46	80	293	295	24	14	14	Fog, haze
10-12-75	285	100	0	306	291	23	10	11	Clear
10-14-75	287	93	10	292	285	30	12	14	Ground fog, clear
10-16-75	289	75	70	282	---	28	17	17	Ground fog, haze
10-20-75	293	96	20	291	293	19	4	4	Ground fog, clear
10-22-75	295	99	0	295	294	27	8	8	Ground fog, clear
10-23-75	296	100	0	296	292	27	7	8	Ground fog, clear
10-24-75	297	42	70	287	282	23	9	13	Ground fog, haze
10-27-75	300	51	70	272	266	23	12	9	Partly cloudy
10-28-75	301	46	80	254	260	23	13	13	Fog, haze
10-29-75	302	4	100	269	309	23	11	12	Ground fog, haze
10-30-75	303	85	20	306	298	16	4	3	Partly cloudy
10-31-75	304	97	40	291	290	13	0	-3	Partly cloudy

[a] %SS = percent of possible minutes of direct sunshine.[4]

[b] %SC = percent of sky cover.[4]

[c] Ozone column in 10^{-3} STP cm measured at Wallops Island, Virginia.[6]

[d] Ozone column measured at Nashville, Tennessee.[6]

[e] T_{max} = maximum daily temperature, °C.[4]

[f] T_{min} = minimum daily temperature, °C.[4]

[g] T_{DP} = daily mean dew point temperature, °C.[4]

Two points should be considered prior to extensive data analysis and interpretation.

1. The spring [NO_x] data were reduced manually from strip chart records. The subjective nature of this procedure may introduce some inconsistencies on comparison of the spring data with the more objective, machine-acquired fall data.
2. The nominal response time of the k_1 device was over a minute. Radiometric instruments have response times of approximately 1 s. This difference in response times should be considered if precise comparisons are to be made between k_1 and radiometric data.

ERROR ANALYSIS

Several factors can introduce errors into the determination of k_1 by the technique employed in this study. These factors include errors in rate constant ratios, nonideal mixing, temperature variation, rapidly changing light intensity, reaction in the effluent line, and measurement error. A complete discussion of sources of error including an error propagation analysis for Equation 1 has been presented by Sickles and Jeffries.[1] With the exception of measurement error, the previously listed factors are thought to be of minor importance in determining the precision of the k_1 measurement.

Under the assumption of constant temperature and fixed values of R_1 and R_2, errors enter into Equation 2 in the measurement of residence time and nitrogen oxides concentrations. The residence time is subject to variations in flow rate. Nitrogen oxides concentrations themselves may vary with variations in flow rate from the gas delivery system. The concentratons indicated by the NO_x instrument are subject to instrumental span and zero drift and to deterioration of the NO_2 converter. The relative percent variations presented in Table 1 suggest that ± 2 percent is a reasonable estimate of 95 percent error limits for τ, $[NO]_o$, [NO], and [NO_x].

An error propagation analysis similar to that presented by Sickles and Jeffries[1] was performed using the ± 2 percent estimates noted above. Based on this analysis, estimated 95 percent confidence limits on the precision of k_1 determinations in this study are ± 8.8 percent for a k_1 of 0.50 min^{-1} and ± 5.7 percent for a k_1 of 0.10 min^{-1}. It is suggested that these limits can

be improved by at least a factor of two by modifying the technique to insure more nearly constant flow rates from the N_2 and NO_2 cylinders. Mass flow controllers could satisfy this requirement while simultaneously providing continuous records of flow rates for mass balance verification purposes.

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APPENDIX A

APRIL 1975 k_1 AND RADIOMETRIC DATA

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KTI SUNLIGHT INTENSITY STUDY: USEPA CONTRACT NO. 68-02-2258 LUNAR DATE: 4-21-75 JULIAN DATE: 75111

JULIAN DATE	TIME (EST)	TEMP (°C)	NOA (PPM)	KIA (1/MIN)	UV (LANGLEYS/MIN)	TSR (LANGLEYS/MIN)	395 (LANGLEYS/MIN)	VIP (LANGLEYS/MIN)
111	755	11.89	0.558	0.247	0.0258	0.606	0.582	0.951
111	805	12.39	0.570	0.256	0.0284	0.654	0.628	0.971
111	815	12.56	0.605	0.284	0.0312	0.705	0.676	1.000
111	825	12.72	0.624	0.300	0.0340	0.757	0.727	1.034
111	835	12.83	0.640	0.314	0.0365	0.800	0.767	1.044
111	845	13.28	0.693	0.365	0.0394	0.854	0.818	1.078
111	855	13.17	0.707	0.379	0.0423	0.901	0.866	1.102
111	905	14.00	0.693	0.365	0.0445	0.940	0.904	1.117
111	915	14.28	0.727	0.401	0.0469	0.983	0.942	1.112
111	925	14.11	0.729	0.403	0.0493	1.022	0.978	1.126
111	935	14.33	0.737	0.412	0.0520	1.067	1.021	1.150
111	945	14.61	0.739	0.415	0.0548	1.112	1.066	1.184
111	955	15.06	0.754	0.433	0.0563	1.135	1.090	1.189
111	1005	15.00	0.756	0.435	0.0588	1.178	1.128	1.209
111	1015	15.17	0.760	0.440	0.0610	1.213	1.161	1.223
111	1025	15.50	0.762	0.442	0.0624	1.232	1.179	1.214
111	1035	15.39	0.755	0.434	0.0636	1.247	1.200	1.204
111	1045	15.72	0.771	0.454	0.0655	1.280	1.225	1.218
111	1055	15.83	0.768	0.450	0.0662	1.288	1.240	1.218
111	1105	15.44	0.774	0.457	0.0677	1.310	1.258	1.223
111	1115	15.72	0.776	0.460	0.0688	1.327	1.278	1.218
111	1125	16.63	0.771	0.454	0.0690	1.331	1.279	1.214
111	1135	16.61	0.773	0.456	0.0702	1.344	1.291	1.228
111	1145	16.61	0.779	0.464	0.0711	1.353	1.301	1.228
111	1155	16.11	0.779	0.464	0.0720	1.363	1.309	1.233
111	1205	17.00	0.766	0.448	0.0707	1.342	1.291	1.204
111	1215	16.72	0.772	0.455	0.0714	1.357	1.303	1.223
111	1225	16.89	0.774	0.458	0.0719	1.363	1.307	1.238
111	1235	16.61	0.772	0.455	0.0716	1.355	1.303	1.243
111	1245	17.22	0.774	0.458	0.0700	1.340	1.282	1.223
111	1255	17.39	0.776	0.460	0.0700	1.338	1.278	1.233
111	1305	17.44	0.771	0.454	0.0694	1.327	1.267	1.233
111	1315	17.78	0.768	0.450	0.0691	1.316	1.261	1.248
111	1325	17.94	0.766	0.448	0.0681	1.299	1.243	1.238
111	1335	17.72	0.770	0.453	0.0663	1.273	1.218	1.218
111	1345	18.22	0.764	0.445	0.0641	1.241	1.190	1.199
111	1355	18.33	0.754	0.433	0.0621	1.213	1.163	1.175
111	1405	17.94	0.745	0.423	0.0599	1.181	1.128	1.141
111	1415	19.11	0.743	0.421	0.0579	1.151	1.101	1.126
111	1425	19.06	0.739	0.416	0.0566	1.131	1.081	1.131
111	1435	19.78	0.731	0.407	0.0541	1.090	1.039	1.107
111	1445	18.28	0.727	0.402	0.0519	1.049	1.005	1.097
111	1455	18.89	0.707	0.381	0.0495	1.013	0.967	1.087
111	1505	19.11	0.704	0.378	0.0472	0.976	0.930	1.068
111	1515	18.67	0.685	0.358	0.0445	0.929	0.885	1.058
111	1525	19.11	0.682	0.355	0.0425	0.895	0.852	0.607
111	1535	19.11	0.659	0.333	0.0392	0.830	0.747	1.019
111	1545	19.50	0.645	0.320	0.0371	0.800	0.763	1.024
111	1555	19.78	0.643	0.319	0.0349	0.759	0.721	1.015
111	1605	19.00	0.622	0.300	0.0322	0.708	0.672	0.961
111	1615	19.78	0.610	0.290	0.0295	0.656	0.622	0.932
111	1625	19.61	0.577	0.264	0.0269	0.609	0.578	0.903

RTI SUNLIGHT INTENSITY STUDY: USEPA CONTRACT NO. 68-02-2258 LUNAR DATE: 4-21-75 JULIAN DATE: 75111

JULIAN DATE	TIME (EST)	TEMP (°C)	NOA (PPM)	KIA (1/MIN)	UV (LANGLEYS/MIN)	TSR (LANGLEYS/MIN)	395 (LANGLEYS/MIN)	VIP (LANGLEYS/MIN)
111	1635	19.28	0.555	0.247	0.0245	0.559	0.531	0.874
111	1645	18.72	0.527	0.227	0.0221	0.508	0.482	0.835
111	1655	18.89	0.485	0.199	0.0194	0.449	0.430	0.777
111	1705	18.67	0.445	0.175	0.0170	0.391	0.381	0.728
111	1715	18.78	0.400	0.150	0.0148	0.342	0.333	0.684
111	1725	18.89	0.354	0.126	0.0126	0.292	0.282	0.626
111	1735	18.89	0.322	0.111	0.0107	0.249	0.240	0.578
111	1745	18.78	0.283	0.085	0.0088	0.200	0.196	0.505
111	1755	18.44	0.206	0.063	0.0071	0.155	0.149	0.417
111	1805	18.06	0.158	0.045	0.0055	0.114	0.110	0.330
111	1815	17.78	0.112	0.030	0.0040	0.080	0.079	0.252
111	1825	16.22	0.071	0.017	0.0028	0.043	0.046	0.155
111	1835	14.94	0.037	0.007	0.0017	0.015	0.019	0.0

RTI SUNLIGHT INTENSITY STUDY: USEPA CONTRACT NO. 68-02-2258 LUNAR DATE: 4-22-75 JULIAN DATE: 75112

JULIAN DATE	TIME (EST)	TEMP (°C)	NOA (PPM)	NIA (1/MIN)	UV (LANGLEYS/MIN)	TSR (LANGLEYS/MIN)	395 (LANGLEYS/MIN)	NIP (LANGLEYS/MIN)
112	515	1.22	0.016	0.001	0.0	0.0	0.0	0.0
112	525	1.17	0.018	0.001	0.0	0.0	0.001	0.0
112	535	1.11	0.036	0.006	0.0	0.009	0.012	0.0
112	545	1.06	0.048	0.010	0.0007	0.022	0.027	0.010
112	555	1.17	0.080	0.019	0.0016	0.032	0.036	0.0
112	605	1.44	0.112	0.029	0.0028	0.049	0.052	0.010
112	615	1.72	0.142	0.039	0.0042	0.110	0.116	0.325
112	625	2.17	0.184	0.054	0.0058	0.144	0.160	0.432
112	635	3.22	0.226	0.071	0.0075	0.178	0.203	0.510
112	645	3.94	0.280	0.093	0.0094	0.217	0.248	0.583
112	655	4.50	0.324	0.114	0.0115	0.256	0.294	0.650
112	705	5.61	0.368	0.136	0.0135	0.292	0.334	0.684
112	715	6.50	0.404	0.156	0.0159	0.346	0.387	0.748
112	725	7.61	0.450	0.184	0.0183	0.443	0.434	0.782
112	735	8.72	0.480	0.203	0.0208	0.510	0.479	0.811
112	745	9.56	0.502	0.219	0.0232	0.561	0.525	0.845
112	755	10.39	0.526	0.236	0.0257	0.581	0.573	0.874
112	805	10.94	0.556	0.260	0.0279	0.574	0.613	0.888
112	815	11.78	0.570	0.271	0.0305	0.658	0.663	0.922
112	825	11.83	0.598	0.295	0.0328	0.695	0.704	0.947
112	835	12.61	0.608	0.304	0.0351	0.757	0.749	0.961
112	845	13.33	0.622	0.318	0.0374	0.802	0.791	0.981
112	855	14.00	0.634	0.329	0.0396	0.849	0.833	1.000
112	905	14.33	0.640	0.335	0.0415	0.886	0.869	1.015
112	915	14.83	0.652	0.347	0.0435	0.925	0.903	1.029
112	925	15.17	0.656	0.351	0.0454	0.963	0.942	1.034
112	945	16.50	0.680	0.377	0.0487	1.030	1.007	1.049
112	955	17.00	0.684	0.382	0.0511	1.075	1.040	1.053
112	1005	17.72	0.688	0.386	0.0533	1.105	1.073	1.078
112	1015	18.06	0.690	0.389	0.0550	1.138	1.101	1.087
112	1025	18.56	0.698	0.398	0.0560	1.159	1.119	1.083
112	1035	19.00	0.700	0.400	0.0575	1.181	1.139	1.092
112	1045	19.00	0.700	0.400	0.0588	1.198	1.154	1.073
112	1055	19.56	0.704	0.405	0.0616	1.237	1.190	1.112
112	1105	19.50	0.708	0.410	0.0632	1.256	1.206	1.117
112	1115	20.11	0.720	0.424	0.0641	1.267	1.218	1.121
112	1125	20.22	0.720	0.424	0.0659	1.288	1.236	1.141
112	1135	20.28	0.722	0.427	0.0661	1.288	1.236	1.126
112	1145	20.33	0.724	0.429	0.0673	1.303	1.248	1.146
112	1155	21.78	0.732	0.439	0.0675	1.308	1.251	1.141
112	1205	21.06	0.724	0.429	0.0668	1.297	1.245	1.136
112	1215	20.78	0.722	0.427	0.0670	1.297	1.243	1.136
112	1225	21.22	0.724	0.429	0.0670	1.299	1.243	1.131
112	1235	21.61	0.724	0.429	0.0666	1.290	1.240	1.136
112	1245	21.61	0.728	0.434	0.0656	1.277	1.228	1.121
112	1305	22.00	0.716	0.422	0.0627	1.239	1.188	1.092
112	1315	22.83	0.700	0.401	0.0625	1.232	1.182	1.102
112	1325	23.11	0.700	0.401	0.0611	1.209	1.158	1.092
112	1335	22.72	0.698	0.399	0.0607	1.198	1.146	1.087
112	1345	22.61	0.696	0.397	0.0587	1.166	1.119	1.068
112	1355	23.39	0.694	0.395	0.0571	1.144	1.096	1.063
112	1405	23.39	0.682	0.381	0.0558	1.123	1.073	1.068

NII SUNLIGHT INTENSITY STUDY: USEPA CONTRACT NO. 68-02-2259 LUNAR DATE: 4-22-75 JULIAN DATE: 75112

JULIAN DATE	TIME (EST)	TEMP (°C)	NOA (PPM)	KIA (1/MIN)	UV (LANGLEYS/MIN)	TSR (LANGLEYS/MIN)	395 (LANGLEYS/MIN)	NIP (LANGLEYS/MIV)
112	1415	23.33	0.676	0.375	0.0534	1.086	1.037	1.058
112	1425	23.01	0.678	0.377	0.0517	1.062	1.010	1.034
112	1435	23.33	0.672	0.371	0.0506	1.037	0.985	1.029
112	1445	23.28	0.662	0.360	0.0478	0.985	0.940	1.010
112	1455	23.72	0.640	0.338	0.0453	0.946	0.901	0.995
112	1505	23.56	0.638	0.336	0.0433	0.910	0.866	0.985
112	1515	23.56	0.624	0.323	0.0409	0.869	0.828	0.966
112	1525	23.83	0.612	0.312	0.0387	0.830	0.793	0.951
112	1545	23.83	0.588	0.290	0.0338	0.751	0.713	0.893
112	1555	23.11	0.442	0.183	0.0226	0.224	0.204	0.029
112	1605	23.67	0.544	0.254	0.0285	0.692	0.661	0.835
112	1615	23.67	0.534	0.247	0.0270	0.682	0.648	0.806
112	1625	23.72	0.518	0.235	0.0251	0.613	0.578	0.801
112	1635	23.83	0.474	0.204	0.0216	0.499	0.473	0.733
112	1645	23.72	0.444	0.185	0.0193	0.447	0.425	0.709
112	1655	23.56	0.418	0.169	0.0173	0.404	0.385	0.684
112	1705	23.01	0.376	0.145	0.0148	0.344	0.328	0.626
112	1715	23.28	0.338	0.125	0.0129	0.299	0.284	0.583
112	1725	23.17	0.302	0.107	0.0110	0.258	0.243	0.539
112	1735	23.28	0.260	0.088	0.0091	0.211	0.199	0.476
112	1745	22.83	0.218	0.070	0.0075	0.166	0.158	0.403
112	1755	22.72	0.178	0.055	0.0058	0.073	0.073	0.068
112	1805	21.94	0.140	0.041	0.0044	0.082	0.078	0.238
112	1815	21.06	0.100	0.027	0.0031	0.047	0.051	0.150
112	1825	20.33	0.078	0.020	0.0020	0.024	0.030	0.068
112	1835	19.44	0.052	0.011	0.0011	0.004	0.009	0.0
112	1845	18.67	0.028	0.004	0.0004	0.0	0.0	0.0
112	1855	17.94	0.018	0.001	0.0001	0.0	0.0	0.0

RII SUNLIGHT INTENSITY STUDY: USEPA CONTRACT NO. 68-02-2258 LUNAR DATE: 4-23-75 JULIAN DATE: 75113

JULIAN DATE	TIME (EST)	TEMP (°C)	NDA (PPM)	KIA (1/MIN)	UV (LANGLEYS/MIN)	TSR (LANGLEYS/MIN)	395 (LANGLEYS/MIN)	VIP (LANGLEYS/MIN)
113	1200	24.17	0.651	0.433	0.0648	1.284	1.231	0.670
113	1205	23.67	0.495	0.262	0.0395	0.613	0.578	0.010
113	1215	23.94	0.563	0.328	0.0386	0.594	0.560	0.0
113	1220	23.50	0.477	0.246	0.0354	0.589	0.557	0.044
113	1225	23.61	0.572	0.337	0.0519	0.935	0.890	0.204
113	1230	24.22	0.654	0.410	0.0654	1.310	1.252	0.549
113	1235	24.67	0.595	0.363	0.0542	1.009	0.961	0.267
113	1240	24.22	0.557	0.301	0.0425	0.688	0.652	0.019
113	1245	24.11	0.548	0.312	0.0360	0.561	0.530	0.0
113	1250	23.94	0.435	0.213	0.0284	0.480	0.452	0.010
113	1255	23.78	0.492	0.259	0.0382	0.632	0.599	0.0
113	1300	23.72	0.473	0.243	0.0345	0.570	0.540	0.0
113	1305	23.89	0.518	0.283	0.0423	0.753	0.715	0.083
113	1310	24.50	0.529	0.294	0.0424	0.759	0.724	0.097
113	1315	24.56	0.531	0.295	0.0398	0.652	0.618	0.005
113	1320	24.39	0.508	0.274	0.0402	0.712	0.679	0.107
113	1325	24.39	0.516	0.281	0.0407	0.703	0.669	0.092
113	1330	24.72	0.520	0.285	0.0414	0.662	0.631	0.015
113	1335	24.67	0.495	0.262	0.0363	0.568	0.537	0.0
113	1340	24.78	0.518	0.283	0.0384	0.589	0.558	0.0
113	1345	24.39	0.471	0.242	0.0328	0.505	0.476	0.0
113	1350	24.61	0.582	0.348	0.0523	1.067	1.018	0.461
113	1355	24.83	0.475	0.245	0.0355	0.589	0.560	0.058
113	1400	24.39	0.487	0.255	0.0406	0.733	0.696	0.150
113	1405	24.72	0.512	0.278	0.0467	0.925	0.884	0.359
113	1410	24.89	0.529	0.294	0.0478	1.024	0.976	0.500
113	1415	25.28	0.491	0.259	0.0344	0.542	0.515	0.044
113	1420	25.00	0.531	0.296	0.0400	0.594	0.557	0.0
113	1425	24.83	0.591	0.359	0.0520	1.144	1.088	0.684
113	1430	25.50	0.599	0.368	0.0511	1.080	1.031	0.646
113	1435	25.44	0.495	0.263	0.0363	0.662	0.627	0.252
113	1440	25.22	0.491	0.259	0.0335	0.581	0.551	0.199
113	1445	24.72	0.435	0.213	0.0322	0.538	0.506	0.150
113	1450	24.89	0.472	0.243	0.0338	0.574	0.543	0.155
113	1455	25.22	0.510	0.276	0.0388	0.733	0.693	0.296
113	1500	25.28	0.555	0.320	0.0453	0.923	0.875	0.592
113	1505	25.44	0.549	0.314	0.0410	0.787	0.745	0.558
113	1510	25.56	0.574	0.340	0.0463	1.026	0.973	0.908
113	1515	25.22	0.523	0.288	0.0297	0.340	0.313	0.0
113	1520	24.83	0.433	0.212	0.0305	0.447	0.419	0.136
113	1525	25.50	0.549	0.314	0.0322	0.415	0.387	0.102
113	1530	25.39	0.495	0.263	0.0300	0.344	0.318	0.0
113	1535	25.39	0.534	0.299	0.0389	0.873	0.825	0.420
113	1540	25.44	0.551	0.316	0.0349	0.832	0.788	0.748
113	1545	25.67	0.532	0.297	0.0362	0.890	0.845	0.845
113	1550	25.78	0.517	0.283	0.0340	0.865	0.819	0.796
113	1555	25.72	0.451	0.226	0.0274	0.630	0.597	0.442
113	1600	25.22	0.418	0.201	0.0229	0.329	0.309	0.0
113	1605	25.00	0.429	0.209	0.0254	0.486	0.457	0.286
113	1610	25.00	0.385	0.178	0.0217	0.301	0.282	0.
113	1615	24.89	0.410	0.195	0.0230	0.473	0.443	0.320
113	1620	25.06	0.381	0.175	0.0216	0.563	0.533	0.490

KII SUNLIGHT INTENSITY STUDY: USEPA CONTRACT NO. 68-02-2258 LUNAR DATE: 4-23-75 JULIAN DATE: 75113

JULIAN DATE	TIME (EST)	TEMP (°C)	NOA (PPM)	KIA (1/MIN)	UV (LANGLEYS/MIN)	ISR (LANGLEYS/MIN)	395 (LANGLEYS/MIN)	VIP (LANGLEYS/MIN)
113	1625	25.11	0.385	0.178	0.0172	0.348	0.331	0.131
113	1640	24.56	0.412	0.196	0.0231	0.611	0.572	0.583
113	1645	24.67	0.406	0.192	0.0211	0.305	0.285	0.024
113	1650	24.67	0.363	0.163	0.0193	0.469	0.436	0.592
113	1655	24.72	0.365	0.164	0.0168	0.237	0.219	0.053
113	1700	24.78	0.348	0.153	0.0166	0.430	0.399	0.607
113	1705	24.78	0.325	0.139	0.0142	0.357	0.330	0.515
113	1710	24.72	0.281	0.104	0.0128	0.325	0.299	0.456
113	1715	24.44	0.246	0.096	0.0107	0.258	0.237	0.345
113	1720	24.28	0.224	0.085	0.0096	0.176	0.164	0.112
113	1725	24.11	0.201	0.074	0.0087	0.172	0.158	0.170
113	1730	23.83	0.182	0.066	0.0082	0.118	0.112	0.0
113	1735	23.72	0.180	0.065	0.0081	0.142	0.133	0.024
113	1740	23.56	0.178	0.064	0.0080	0.151	0.142	0.063
113	1745	23.61	0.159	0.056	0.0071	0.127	0.119	0.044
113	1750	23.56	0.141	0.048	0.0062	0.105	0.101	0.010
113	1755	23.39	0.135	0.045	0.0056	0.090	0.087	0.0
113	1800	23.33	0.118	0.039	0.0050	0.082	0.079	0.0
113	1805	23.11	0.105	0.034	0.0045	0.075	0.073	0.0
113	1810	22.89	0.095	0.030	0.0039	0.062	0.061	0.0
113	1815	22.72	0.079	0.024	0.0029	0.043	0.043	0.0
113	1820	22.61	0.058	0.016	0.0023	0.030	0.030	0.0
113	1825	22.61	0.054	0.015	0.0019	0.026	0.027	0.0
113	1830	22.39	0.037	0.009	0.0015	0.022	0.021	0.0
113	1835	22.28	0.035	0.008	0.0011	0.015	0.016	0.0
113	1840	22.33	0.029	0.006	0.0007	0.006	0.009	0.0
113	1845	22.06	0.016	0.002	0.0004	0.0	0.003	0.0

NTI SUNLIGHT INTENSITY STUDY: USEPA CONTRACT NO. 68-02-2258 LUNAR DATE: 4-25-75 JULIAN DATE: 75115

JULIAN DATE	TIME (EST)	TEMP (°C)	NOA (PPM)	KIA (1/MIN)	UV (LANGLEYS/MIN)	TSR (LANGLEYS/MIN)	395 (LANGLEYS/MIN)	VIP (LANGLEYS/MIN)
115	545	17.61	0.022	0.003	0.0	0.015	0.012	0.0
115	555	17.44	0.047	0.011	0.0006	0.032	0.027	0.0
115	605	17.72	0.077	0.021	0.0019	0.049	0.046	0.005
115	615	17.50	0.095	0.027	0.0027	0.075	0.069	0.010
115	625	17.56	0.138	0.043	0.0042	0.101	0.093	0.010
115	635	17.72	0.168	0.054	0.0053	0.110	0.103	0.010
115	645	17.83	0.211	0.072	0.0072	0.153	0.142	0.024
115	655	18.06	0.258	0.093	0.0096	0.219	0.209	0.102
115	705	18.50	0.305	0.115	0.0113	0.290	0.281	0.214
115	715	18.83	0.335	0.131	0.0132	0.286	0.276	0.160
115	725	19.11	0.391	0.163	0.0176	0.400	0.387	0.243
115	735	19.44	0.396	0.166	0.0162	0.370	0.355	0.223
115	745	19.56	0.378	0.156	0.0172	0.290	0.276	0.078
115	755	19.89	0.430	0.188	0.0200	0.394	0.381	0.252
115	805	20.06	0.507	0.243	0.0255	0.566	0.551	0.539
115	815	20.72	0.529	0.261	0.0289	0.639	0.621	0.566
115	825	21.22	0.563	0.291	0.0315	0.626	0.607	0.485
115	835	21.50	0.555	0.284	0.0291	0.516	0.493	0.301
115	845	21.50	0.533	0.265	0.0311	0.559	0.537	0.345
115	855	22.39	0.602	0.328	0.0387	0.783	0.755	0.549
115	905	22.78	0.598	0.324	0.0388	0.794	0.767	0.529
115	925	23.78	0.606	0.332	0.0391	0.708	0.0	0.379
115	935	23.50	0.615	0.342	0.0436	0.871	0.0	0.549
115	945	24.11	0.671	0.404	0.0503	1.019	0.0	0.704
115	955	24.39	0.656	0.389	0.0493	0.966	0.928	0.621
115	1005	25.00	0.686	0.425	0.0542	1.075	1.037	0.748
115	1015	25.67	0.692	0.430	0.0571	1.138	1.097	0.714
115	1025	25.67	0.641	0.370	0.0507	0.955	0.916	0.408
115	1035	25.61	0.645	0.374	0.0507	0.916	0.879	0.218
115	1045	25.83	0.654	0.384	0.0530	1.065	1.022	0.398
115	1055	26.11	0.641	0.370	0.0506	0.996	0.952	0.286
115	1105	26.17	0.606	0.333	0.0450	0.837	0.799	0.146
115	1115	26.11	0.645	0.374	0.0478	0.901	0.863	0.233
115	1125	26.89	0.671	0.405	0.0537	1.024	0.979	0.311
115	1135	27.17	0.598	0.326	0.0440	0.804	0.769	0.112
115	1145	26.89	0.525	0.260	0.0346	0.589	0.563	0.010
115	1155	26.67	0.538	0.271	0.0352	0.606	0.576	0.019
115	1205	26.67	0.572	0.301	0.0356	0.602	0.572	0.015
115	1215	27.83	0.549	0.317	0.0435	0.763	0.733	0.102
115	1225	27.94	0.688	0.426	0.0559	1.062	1.016	0.369
115	1235	28.61	0.684	0.421	0.0604	1.189	1.136	0.515
115	1245	28.67	0.645	0.375	0.0569	1.161	1.110	0.476
115	1255	28.22	0.533	0.267	0.0405	0.699	0.664	0.024
115	1305	27.83	0.520	0.257	0.0347	0.596	0.566	0.024
115	1315	27.44	0.520	0.256	0.0298	0.503	0.476	0.0
115	1325	27.39	0.473	0.220	0.0276	0.456	0.433	0.0
115	1335	27.28	0.426	0.188	0.0227	0.361	0.343	0.0
115	1345	26.94	0.421	0.184	0.0224	0.353	0.334	0.0
115	1355	26.89	0.378	0.158	0.0212	0.333	0.316	0.0
115	1405	26.61	0.387	0.163	0.0219	0.353	0.334	0.0
115	1415	26.67	0.482	0.227	0.0287	0.495	0.469	0.010
115	1425	26.39	0.540	0.136	0.0160	0.237	0.224	0.0

RTI SUNLIGHT INTENSITY STUDY: USEPA CONTRACT NO. 68-02-2258 LUNAR DATE: 4-25-75 JULIAN DATE: 75115

JULIAN DATE	TIME (EST)	TEMP (°C)	NOA (PPM)	KIA (1/MIN)	UV (LANGLEYS/MIN)	TSR (LANGLEYS/MIN)	395 (LANGLEYS/MIN)	NIP (LANGLEYS/MIN)
115	1435	25.61	0.348	0.140	0.0196	0.297	0.282	0.0
115	1445	25.17	0.280	0.105	0.0132	0.181	0.169	0.0
115	1455	24.83	0.383	0.160	0.0187	0.282	0.267	0.0
115	1505	24.89	0.340	0.135	0.0126	0.185	0.168	0.0
115	1515	25.89	0.645	0.374	0.0434	0.858	0.816	0.602
115	1525	26.72	0.641	0.370	0.0409	0.804	0.763	0.626
115	1535	26.83	0.568	0.297	0.0385	0.751	0.712	0.534
115	1545	26.39	0.301	0.115	0.0179	0.271	0.254	0.0
115	1555	25.94	0.357	0.145	0.0091	0.146	0.139	0.0
115	1605	26.06	0.546	0.278	0.0238	0.525	0.496	0.408
115	1615	26.56	0.473	0.220	0.0221	0.340	0.319	0.063
115	1625	26.28	0.490	0.232	0.0246	0.501	0.466	0.350
115	1635	26.39	0.507	0.246	0.0242	0.486	0.451	0.408
115	1645	26.44	0.383	0.161	0.0205	0.396	0.370	0.301
115	1655	26.06	0.275	0.102	0.0145	0.200	0.187	0.0
115	1705	25.78	0.310	0.120	0.0112	0.245	0.233	0.083
115	1715	25.83	0.254	0.092	0.0120	0.189	0.176	0.005
115	1725	25.61	0.305	0.117	0.0092	0.213	0.203	0.155
115	1735	25.72	0.284	0.107	0.0107	0.230	0.218	0.252
115	1745	25.78	0.288	0.109	0.0102	0.295	0.279	0.510
115	1755	25.61	0.206	0.071	0.0088	0.151	0.143	0.0
115	1805	25.28	0.138	0.043	0.0053	0.088	0.085	0.0
115	1815	25.17	0.034	0.007	0.0020	0.039	0.036	0.0
115	1825	25.06	0.013	0.001	0.0005	0.009	0.009	0.0
115	1835	24.50	0.039	0.009	0.0014	0.039	0.042	0.063
115	1845	24.17	0.013	0.001	0.0008	0.017	0.021	0.0

HII SUNLIGHT INTENSITY STUDY: USEPA CONTRACT NO. 68-02-2258 LUNAR DATE: 4-27-75 JULIAN DATE: 75117

JULIAN DATE	TIME (EST)	TEMP (°C)	NOA (PPM)	KIA (1/MIN)	UV (LANGLEYS/MIN)	TSR (LANGLEYS/MIN)	395 (LANGLEYS/MIN)	NIP (LANGLEYS/MIN)
117	805	13.44	0.559	0.311	0.0295	0.647	0.630	0.966
117	810	13.72	0.563	0.315	0.0308	0.667	0.649	0.976
117	815	14.06	0.568	0.320	0.0320	0.688	0.672	0.947
117	820	14.17	0.572	0.324	0.0333	0.714	0.691	0.976
117	825	14.22	0.576	0.329	0.0345	0.738	0.712	0.990
117	830	14.61	0.580	0.333	0.0357	0.757	0.731	1.015
117	835	14.94	0.585	0.338	0.0372	0.787	0.760	0.990
117	840	15.00	0.589	0.343	0.0380	0.800	0.770	0.985
117	845	15.11	0.593	0.347	0.0395	0.826	0.796	1.000
117	850	15.33	0.598	0.353	0.0405	0.843	0.812	0.995
117	855	15.56	0.602	0.357	0.0419	0.869	0.836	1.015
117	900	15.50	0.602	0.357	0.0428	0.884	0.855	1.015
117	905	16.06	0.606	0.362	0.0445	0.912	0.884	1.019
117	910	16.22	0.611	0.368	0.0455	0.927	0.899	1.019
117	915	16.44	0.615	0.372	0.0466	0.951	0.916	1.044
117	920	16.39	0.623	0.382	0.0480	0.972	0.937	1.034
117	925	16.61	0.628	0.388	0.0491	0.994	0.958	1.039
117	930	16.83	0.623	0.382	0.0500	1.004	0.970	1.024
117	935	16.72	0.636	0.397	0.0506	1.015	0.981	1.044
117	940	17.00	0.628	0.388	0.0523	1.045	1.010	1.034
117	945	17.28	0.636	0.398	0.0541	1.086	1.048	1.053
117	950	17.33	0.641	0.404	0.0541	1.071	1.034	1.049
117	955	17.44	0.641	0.404	0.0547	1.080	1.045	1.034
117	1000	18.06	0.645	0.409	0.0559	1.101	1.067	1.063
117	1005	18.00	0.645	0.409	0.0575	1.127	1.093	1.107
117	1010	17.78	0.645	0.409	0.0583	1.140	1.104	1.126
117	1015	18.28	0.649	0.414	0.0585	1.146	1.110	1.083
117	1020	18.33	0.649	0.414	0.0599	1.170	1.128	1.092
117	1025	18.22	0.654	0.421	0.0603	1.172	1.127	1.117
117	1030	18.44	0.649	0.414	0.0613	1.187	1.145	1.073
117	1035	18.28	0.654	0.421	0.0626	1.213	1.170	1.112
117	1040	18.89	0.649	0.414	0.0630	1.219	1.173	1.107
117	1045	19.50	0.654	0.421	0.0634	1.230	1.181	1.126
117	1050	18.56	0.649	0.414	0.0641	1.234	1.190	1.097
117	1055	19.06	0.654	0.421	0.0653	1.256	1.209	1.141
117	1100	19.28	0.654	0.421	0.0655	1.258	1.210	1.141
117	1105	19.83	0.658	0.426	0.0661	1.269	1.216	1.126
117	1110	19.33	0.658	0.426	0.0671	1.286	1.233	1.087
117	1115	19.17	0.654	0.421	0.0662	1.262	1.207	1.005
117	1120	19.83	0.654	0.421	0.0661	1.252	1.197	0.990
117	1125	19.83	0.662	0.432	0.0676	1.282	1.227	1.053
117	1130	19.83	0.675	0.449	0.0690	1.312	1.261	1.117
117	1135	19.67	0.671	0.444	0.0696	1.327	1.281	1.107
117	1140	20.06	0.645	0.410	0.0645	1.194	1.148	0.937
117	1145	20.56	0.654	0.421	0.0690	1.312	1.258	1.083
117	1150	20.61	0.662	0.432	0.0694	1.310	1.258	1.121
117	1155	20.61	0.658	0.427	0.0688	1.292	1.242	1.073
117	1200	21.28	0.675	0.450	0.0700	1.316	1.266	1.141
117	1205	20.28	0.671	0.444	0.0697	1.312	1.263	1.121
117	1215	20.78	0.688	0.468	0.0707	1.329	1.275	1.165
117	1220	20.78	0.679	0.455	0.0708	1.327	1.276	1.155
117	1225	20.67	0.684	0.462	0.0711	1.340	1.284	1.136

NII SUNLIGHT INTENSITY STUDY: USEPA CONTRACT NO. 68-02-2258 LUNAR DATE: 4-27-75 JULIAN DATE: 75117

JULIAN DATE	TIME (EST)	TEMP (°C)	NOA (PPM)	KIA (1/MIN)	UV (LANGLEYS/MIN)	TSR (LANGLEYS/MIN)	395 (LANGLEYS/MIN)	VIP (LANGLEYS/MIN)
117	1230	21.00	0.675	0.450	0.0711	1.351	1.293	1.112
117	1235	21.33	0.654	0.422	0.0665	1.258	1.201	0.951
117	1240	20.44	0.649	0.415	0.0682	1.286	1.230	0.971
117	1245	22.00	0.641	0.405	0.0624	1.157	1.106	0.757
117	1250	22.11	0.654	0.422	0.0663	1.252	1.196	0.825
117	1255	22.33	0.662	0.432	0.0647	1.230	1.178	0.811
117	1300	22.06	0.645	0.410	0.0632	1.206	1.154	0.752
117	1305	22.22	0.641	0.405	0.0624	1.230	1.179	0.655
117	1310	21.61	0.598	0.355	0.0488	0.809	0.775	0.209
117	1315	21.61	0.636	0.399	0.0566	1.056	1.010	0.437
117	1320	21.17	0.632	0.394	0.0575	1.097	1.049	0.476
117	1325	21.61	0.606	0.364	0.0513	0.940	0.900	0.320
117	1330	21.67	0.636	0.399	0.0589	1.138	1.093	0.553
117	1335	21.56	0.641	0.405	0.0548	0.944	0.901	0.316
117	1340	21.28	0.628	0.389	0.0531	0.974	0.936	0.490
117	1345	22.06	0.649	0.415	0.0452	0.600	0.570	0.058
117	1350	22.72	0.645	0.411	0.0595	1.206	1.158	0.845
117	1355	23.06	0.619	0.379	0.0501	1.082	1.036	0.762
117	1400	22.61	0.641	0.405	0.0599	1.172	1.125	0.961
117	1405	22.00	0.645	0.410	0.0605	1.187	1.137	1.141
117	1410	22.22	0.645	0.410	0.0591	1.159	1.110	1.102
117	1415	22.17	0.641	0.405	0.0586	1.151	1.099	1.126
117	1420	22.11	0.628	0.389	0.0561	1.084	1.036	1.034
117	1425	22.56	0.636	0.399	0.0566	1.120	1.070	1.112
117	1430	22.72	0.623	0.384	0.0526	1.015	0.976	0.971
117	1435	22.61	0.632	0.394	0.0543	1.090	1.040	1.083
117	1440	22.83	0.628	0.390	0.0532	1.080	1.030	1.049
117	1445	22.56	0.602	0.359	0.0475	0.968	0.867	0.801
117	1450	22.94	0.606	0.364	0.0493	0.967	0.945	0.879
117	1455	22.61	0.598	0.355	0.0460	0.899	0.861	0.738
117	1500	22.89	0.606	0.364	0.0482	0.978	0.937	0.903
117	1505	22.72	0.602	0.359	0.0427	0.834	0.800	0.699
117	1510	22.67	0.611	0.370	0.0473	0.998	0.957	0.956
117	1515	23.44	0.606	0.364	0.0449	0.948	0.909	0.908
117	1520	22.72	0.568	0.323	0.0413	0.856	0.821	0.738
117	1525	22.78	0.589	0.345	0.0433	0.935	0.903	0.854
117	1530	23.22	0.490	0.252	0.0306	0.518	0.499	0.320
117	1555	22.33	0.430	0.205	0.0245	0.419	0.407	0.141
117	1600	22.44	0.387	0.175	0.0208	0.314	0.306	0.005
117	1605	22.11	0.383	0.172	0.0205	0.316	0.303	0.019
117	1610	21.94	0.387	0.175	0.0224	0.417	0.401	0.214
117	1615	21.89	0.383	0.172	0.0200	0.310	0.299	0.053
117	1620	21.83	0.314	0.131	0.0163	0.219	0.210	0.0
117	1625	21.72	0.297	0.121	0.0148	0.204	0.200	0.0
117	1630	21.67	0.258	0.101	0.0145	0.215	0.210	0.015
117	1635	21.61	0.305	0.126	0.0152	0.249	0.243	0.005
117	1640	22.17	0.447	0.217	0.0259	0.673	0.642	0.718
117	1645	22.44	0.469	0.234	0.0237	0.587	0.561	0.563
117	1650	22.33	0.456	0.224	0.0226	0.499	0.478	0.490
117	1655	22.33	0.464	0.230	0.0222	0.531	0.509	0.709
117	1700	22.56	0.460	0.227	0.0210	0.510	0.491	0.748
117	1705	22.39	0.417	0.196	0.0185	0.413	0.399	0.558

NII SUNLIGHT INTENSITY STUDY: USEPA CONTRACT NO. 68-02-2258 LUNAR DATE: 4-27-75 JULIAN DATE: 75117

JULIAN DATE	TIME (EST)	TEMP (°C)	NOA (PPM)	KIA (I/MIN)	UV (LANGLEYS/MIN)	TSR (LANGLEYS/MIN)	395 (LANGLEYS/MIN)	MIP (LANGLEYS/MIN)
117	1710	22.33	0.387	0.175	0.0170	0.398	0.387	0.587
117	1715	22.22	0.357	0.156	0.0154	0.320	0.309	0.417
117	1720	22.28	0.378	0.169	0.0156	0.344	0.330	0.466
117	1725	22.17	0.365	0.161	0.0154	0.363	0.351	0.568
117	1730	22.28	0.344	0.148	0.0139	0.310	0.300	0.515
117	1735	22.06	0.297	0.121	0.0116	0.204	0.199	0.296
117	1740	22.22	0.318	0.133	0.0103	0.228	0.216	0.485
117	1745	21.83	0.206	0.076	0.0083	0.058	0.057	0.015
117	1750	21.94	0.211	0.079	0.0078	0.163	0.154	0.432
117	1755	21.86	0.211	0.079	0.0074	0.153	0.149	0.359
117	1800	21.22	0.176	0.063	0.0069	0.101	0.103	0.126
117	1805	20.94	0.172	0.061	0.0067	0.090	0.093	0.083
117	1810	20.67	0.146	0.051	0.0056	0.071	0.072	0.136
117	1815	19.94	0.112	0.037	0.0045	0.045	0.048	0.136
117	1820	19.44	0.090	0.029	0.0038	0.026	0.028	0.049
117	1825	19.06	0.077	0.024	0.0031	0.028	0.033	0.117
117	1830	18.67	0.073	0.023	0.0026	0.017	0.018	0.039
117	1835	18.33	0.056	0.017	0.0021	0.009	0.015	0.0

ATI SUNLIGHT INTENSITY STUDY: USEPA CONTRACT NO. 68-02-2258 LUNAR DATE: 4-28-75 JULIAN DATE: 75118

JULIAN DATE	TIME (EST)	TEMP (°C)	NOA (PPM)	KIA (1/MIN)	UV (LANGLEYS/MIN)	TSR (LANGLEYS/MIN)	395 (LANGLEYS/MIN)	VIP (LANGLEYS/MIN)
118	1035	14.94	0.345	0.153	0.0202	0.333	0.321	0.010
118	1045	14.83	0.298	0.125	0.0170	0.224	0.216	0.005
118	1055	14.89	0.337	0.148	0.0199	0.310	0.293	0.005
118	1105	14.89	0.328	0.142	0.0198	0.286	0.269	0.005
118	1115	15.33	0.353	0.158	0.0216	0.327	0.313	0.005
118	1125	15.67	0.379	0.176	0.0222	0.353	0.331	0.0
118	1135	15.44	0.268	0.108	0.0141	0.178	0.170	0.0
118	1145	15.67	0.302	0.127	0.0154	0.245	0.239	0.0
118	1155	15.72	0.255	0.101	0.0130	0.189	0.179	0.0
118	1205	15.78	0.285	0.116	0.0146	0.217	0.204	0.0
118	1215	15.83	0.272	0.111	0.0150	0.219	0.212	0.0
118	1225	15.89	0.259	0.104	0.0143	0.202	0.197	0.0
118	1235	16.00	0.337	0.146	0.0176	0.260	0.255	0.0
118	1245	16.06	0.294	0.123	0.0155	0.230	0.221	0.005
118	1255	16.00	0.298	0.125	0.0167	0.243	0.230	0.005
118	1305	16.11	0.289	0.120	0.0175	0.252	0.243	0.010
118	1315	16.00	0.307	0.130	0.0152	0.228	0.215	0.005
118	1325	16.44	0.298	0.125	0.0157	0.237	0.236	0.005
118	1335	16.39	0.324	0.140	0.0180	0.260	0.255	0.015
118	1355	16.39	0.294	0.123	0.0119	0.178	0.173	0.005
118	1405	16.44	0.328	0.143	0.0179	0.273	0.264	0.015
118	1415	16.78	0.332	0.145	0.0183	0.284	0.276	0.0
118	1425	16.78	0.255	0.102	0.0124	0.185	0.184	0.0
118	1435	16.83	0.247	0.098	0.0118	0.176	0.170	0.0
118	1445	16.89	0.289	0.120	0.0145	0.245	0.236	0.005
118	1455	17.11	0.294	0.123	0.0159	0.256	0.248	0.0
118	1505	17.06	0.272	0.111	0.0143	0.234	0.227	0.005
118	1515	17.28	0.250	0.089	0.0121	0.174	0.170	0.005
118	1525	17.56	0.374	0.173	0.0214	0.387	0.372	0.005
118	1545	17.78	0.383	0.179	0.0240	0.413	0.397	0.005
118	1555	17.94	0.341	0.151	0.0178	0.305	0.288	0.0
118	1605	18.39	0.302	0.128	0.0156	0.275	0.263	0.0
118	1615	18.39	0.341	0.151	0.0191	0.333	0.312	0.005
118	1625	18.22	0.370	0.170	0.0189	0.241	0.227	0.0
118	1635	18.50	0.315	0.136	0.0161	0.340	0.322	0.0
118	1645	18.28	0.285	0.118	0.0146	0.243	0.227	0.0
118	1655	18.39	0.204	0.077	0.0091	0.166	0.157	0.0
118	1705	18.28	0.196	0.073	0.0099	0.153	0.145	0.0
118	1715	18.33	0.139	0.048	0.0056	0.095	0.090	0.0
118	1725	18.11	0.132	0.045	0.0064	0.133	0.127	0.0
118	1735	18.28	0.089	0.028	0.0039	0.056	0.046	0.005
118	1745	18.06	0.081	0.025	0.0035	0.052	0.049	0.0
118	1755	17.89	0.047	0.012	0.0018	0.028	0.024	0.0
118	1805	17.72	0.039	0.010	0.0012	0.024	0.022	0.0
118	1815	17.22	0.034	0.008	0.0012	0.028	0.027	0.0
118	1825	16.94	0.013	0.001	0.0001	0.011	0.007	0.0

RTI SUNLIGHT INTENSITY STUDY: USEPA CONTRACT NO. 68-02-2258 LUNAR DATE: 4-29-75 JULIAN DATE: 75119

JULIAN DATE	TIME (EST)	TEMP (°C)	NUA (FPM)	KIA (1/MIN)	UV (LANGLEYS/MIN)	TSR (LANGLEYS/MIN)	395 (LANGLEYS/MIN)	NIP (LANGLEYS/MIN)
119	615	13.44	0.019	0.003	0.0013	0.028	0.025	0.005
119	625	13.44	0.023	0.005	0.0014	0.026	0.025	0.005
119	635	13.50	0.032	0.008	0.0020	0.028	0.027	0.005
119	645	13.44	0.049	0.015	0.0029	0.041	0.037	0.0
119	655	13.56	0.088	0.032	0.0049	0.077	0.072	0.005
119	705	13.61	0.080	0.029	0.0038	0.060	0.057	0.005
119	715	13.61	0.085	0.031	0.0042	0.071	0.066	0.005
119	725	13.67	0.106	0.041	0.0061	0.108	0.101	0.0
119	735	13.78	0.136	0.055	0.0077	0.138	0.128	0.0
119	745	13.78	0.132	0.053	0.0075	0.127	0.118	0.0
119	755	13.78	0.141	0.058	0.0085	0.140	0.131	0.0
119	805	13.89	0.158	0.067	0.0097	0.166	0.152	0.005
119	815	14.11	0.137	0.056	0.0077	0.112	0.101	0.0
119	825	14.06	0.133	0.054	0.0070	0.120	0.109	0.005
119	835	14.11	0.124	0.047	0.0076	0.125	0.113	0.0
119	845	14.22	0.142	0.058	0.0079	0.131	0.119	0.0
119	855	14.44	0.173	0.075	0.0105	0.174	0.161	0.005
119	905	14.39	0.220	0.103	0.0148	0.243	0.228	0.010
119	915	14.56	0.242	0.117	0.0158	0.286	0.272	0.005
119	925	14.50	0.195	0.088	0.0126	0.176	0.163	0.0
119	935	14.78	0.234	0.112	0.0180	0.290	0.272	0.005
119	955	15.17	0.338	0.189	0.0259	0.411	0.385	0.005
119	1005	15.72	0.351	0.200	0.0266	0.409	0.387	0.010
119	1015	15.72	0.278	0.142	0.0198	0.295	0.281	0.0
119	1025	16.06	0.343	0.193	0.0230	0.333	0.318	0.015
119	1035	16.11	0.348	0.198	0.0287	0.413	0.393	0.010
119	1045	16.17	0.291	0.151	0.0204	0.288	0.275	0.0
119	1055	16.39	0.326	0.179	0.0242	0.344	0.328	0.005
119	1105	16.33	0.305	0.162	0.0243	0.342	0.324	0.010
119	1115	16.72	0.353	0.202	0.0341	0.523	0.496	0.005
119	1125	17.00	0.357	0.206	0.0303	0.452	0.428	0.005
119	1135	17.00	0.414	0.262	0.0365	0.572	0.543	0.005
119	1145	17.17	0.371	0.219	0.0330	0.492	0.472	0.005
119	1155	17.28	0.353	0.202	0.0329	0.523	0.497	0.0
119	1205	17.67	0.384	0.231	0.0313	0.499	0.470	0.0
119	1215	17.72	0.384	0.231	0.0321	0.495	0.470	0.0
119	1225	17.83	0.366	0.214	0.0301	0.456	0.431	0.0
119	1235	18.00	0.401	0.248	0.0338	0.542	0.515	0.010
119	1245	18.06	0.406	0.254	0.0369	0.598	0.567	0.005
119	1255	18.44	0.437	0.288	0.0402	0.677	0.646	0.005
119	1305	18.56	0.450	0.303	0.0436	0.703	0.670	0.015
119	1315	19.33	0.515	0.391	0.0601	1.153	1.100	0.379
119	1325	19.06	0.450	0.303	0.0429	0.755	0.721	0.107
119	1335	19.44	0.467	0.324	0.0480	0.875	0.839	0.180
119	1345	19.78	0.467	0.324	0.0450	0.804	0.769	0.146
119	1355	19.67	0.446	0.299	0.0418	0.735	0.700	0.092
119	1405	20.50	0.455	0.310	0.0444	0.798	0.760	0.180
119	1415	20.78	0.485	0.348	0.0472	0.869	0.828	0.306
119	1425	20.61	0.464	0.321	0.0454	0.834	0.794	0.282
119	1435	20.89	0.468	0.326	0.0448	0.832	0.790	0.277
119	1445	21.56	0.455	0.310	0.0433	0.809	0.772	0.257
119	1455	22.33	0.525	0.407	0.0421	0.757	0.721	0.316

RTI SUNLIGHT INTENSITY STUDY: USEPA CONTRACT NO. 68-02-2258 LUNAR DATE: 4-29-75 JULIAN DATE: 75119

JULIAN DATE	TIME (EST)	TEMP (°C)	NOA (PPM)	KIA (1/MIN)	UV (LANGLEYS/MIN)	TSR (LANGLEYS/MIN)	395 (LANGLEYS/MIN)	VIP (LANGLEYS/MIN)
119	1505	22.06	0.417	0.267	0.0319	0.505	0.482	0.029
119	1515	21.83	0.478	0.339	0.0385	0.675	0.646	0.146
119	1525	22.33	0.382	0.231	0.0292	0.488	0.464	0.0
119	1535	23.17	0.434	0.286	0.0341	0.665	0.634	0.340
119	1545	22.72	0.418	0.268	0.0337	0.682	0.648	0.369
119	1555	23.17	0.409	0.259	0.0295	0.583	0.554	0.282
119	1605	23.06	0.353	0.204	0.0243	0.447	0.424	0.146
119	1615	22.33	0.314	0.171	0.0207	0.346	0.328	0.034
119	1625	22.56	0.301	0.161	0.0194	0.340	0.327	0.044
119	1635	22.89	0.275	0.141	0.0164	0.260	0.249	0.0
119	1645	22.61	0.224	0.107	0.0132	0.213	0.201	0.0
119	1655	22.39	0.197	0.090	0.0110	0.176	0.169	0.0
119	1705	22.17	0.167	0.073	0.0092	0.148	0.145	0.005
119	1715	22.11	0.142	0.060	0.0077	0.127	0.124	0.0
119	1725	22.00	0.124	0.050	0.0067	0.112	0.109	0.0
119	1735	21.67	0.111	0.044	0.0058	0.097	0.091	0.005
119	1745	21.44	0.090	0.034	0.0047	0.077	0.073	0.0
119	1755	21.22	0.068	0.024	0.0033	0.052	0.052	0.0
119	1805	20.83	0.043	0.013	0.0021	0.032	0.033	0.0
119	1815	20.72	0.022	0.004	0.0010	0.017	0.016	0.005
119	1825	20.44	0.013	0.001	0.0005	0.006	0.009	0.0

RTI SUNLIGHT INTENSITY STUDY: USEPA CONTRACT NO. 68-02-2258 LUNAR DATE: 4-30-75 JULIAN DATE: 75120

JULIAN DATE	TIME (EST)	TEMP (°C)	NUA (PPM)	KIA (1/MIN)	UV (LANGLEYS/MIN)	TSR (LANGLEYS/MIN)	395 (LANGLEYS/MIN)	VIP (LANGLEYS/MIN)
120	550	13.61	0.018	0.001	0.0	0.006	0.004	0.0
120	600	13.61	0.022	0.003	0.0	0.009	0.007	0.0
120	610	13.61	0.026	0.004	0.0002	0.015	0.013	0.0
120	620	13.56	0.047	0.013	0.0010	0.030	0.025	0.0
120	630	13.67	0.051	0.015	0.0010	0.030	0.027	0.0
120	640	13.61	0.055	0.017	0.0015	0.034	0.031	0.0
120	650	13.50	0.060	0.019	0.0016	0.030	0.027	0.0
120	700	13.50	0.076	0.026	0.0033	0.049	0.045	0.0
120	710	13.44	0.089	0.032	0.0037	0.092	0.087	0.0
120	720	13.44	0.093	0.034	0.0039	0.075	0.070	0.0
120	730	13.44	0.106	0.040	0.0048	0.090	0.085	0.0
120	740	13.56	0.118	0.046	0.0068	0.108	0.100	0.0
120	750	13.83	0.194	0.088	0.0102	0.202	0.191	0.005
120	800	14.11	0.156	0.066	0.0077	0.133	0.125	0.0
120	810	13.94	0.131	0.053	0.0073	0.116	0.110	0.0
120	820	13.83	0.139	0.057	0.0072	0.118	0.112	0.005
120	830	14.06	0.177	0.078	0.0100	0.159	0.149	0.005
120	840	14.28	0.190	0.085	0.0110	0.163	0.155	0.005
120	850	14.28	0.194	0.088	0.0112	0.163	0.152	0.005
120	900	14.06	0.165	0.071	0.0086	0.127	0.116	0.0
120	910	14.11	0.160	0.068	0.0088	0.129	0.121	0.005
120	920	13.94	0.156	0.066	0.0091	0.123	0.113	0.0
120	930	13.94	0.144	0.060	0.0080	0.116	0.109	0.0
120	940	13.94	0.139	0.057	0.0072	0.101	0.094	0.0
120	950	13.94	0.181	0.080	0.0100	0.157	0.148	0.005
120	1010	13.94	0.169	0.073	0.0077	0.110	0.101	0.005
120	1020	13.94	0.181	0.080	0.0093	0.129	0.118	0.005
120	1030	13.67	0.173	0.075	0.0085	0.118	0.107	0.005
120	1040	13.67	0.223	0.106	0.0135	0.178	0.164	0.005
120	1050	13.83	0.253	0.126	0.0180	0.241	0.224	0.005
120	1100	13.94	0.282	0.147	0.0183	0.254	0.236	0.0
120	1110	14.00	0.198	0.090	0.0113	0.148	0.136	0.005
120	1120	13.83	0.181	0.080	0.0106	0.140	0.128	0.0
120	1130	14.00	0.240	0.117	0.0156	0.204	0.190	0.005
120	1140	14.11	0.278	0.141	0.0177	0.232	0.216	0.0
120	1150	14.22	0.303	0.163	0.0202	0.305	0.285	0.005
120	1200	14.28	0.349	0.202	0.0267	0.409	0.379	0.0
120	1210	14.33	0.383	0.235	0.0295	0.434	0.400	0.010
120	1220	14.67	0.253	0.126	0.0150	0.219	0.204	0.0
120	1230	14.67	0.265	0.134	0.0167	0.234	0.216	0.005
120	1240	14.67	0.211	0.098	0.0129	0.174	0.163	0.005
120	1250	14.72	0.207	0.096	0.0121	0.163	0.151	0.0
120	1300	14.61	0.219	0.103	0.0141	0.194	0.179	0.005
120	1310	14.50	0.286	0.150	0.0196	0.273	0.257	0.010
120	1320	14.61	0.282	0.147	0.0197	0.286	0.269	0.005
120	1330	14.72	0.299	0.160	0.0206	0.290	0.272	0.005
120	1340	14.94	0.396	0.248	0.0328	0.523	0.493	0.010
120	1350	15.17	0.278	0.144	0.0199	0.282	0.264	0.0
120	1400	15.22	0.274	0.141	0.0167	0.228	0.215	0.005
120	1410	15.22	0.265	0.135	0.0164	0.230	0.213	0.010
120	1420	15.28	0.328	0.184	0.0212	0.327	0.309	0.0
120	1430	15.22	0.307	0.166	0.0214	0.329	0.309	0.005

RTI SUNLIGHT INTENSITY STUDY: USEPA CONTRACT NO. 68-02-2258 LUNAR DATE: 4-30-75 JULIAN DATE: 75120

JULIAN DATE	TIME (EST)	TEMP (°C)	NDA (PPM)	KIA (1/MIN)	UV (LANGLEYS/MIN)	TSR (LANGLEYS/MIN)	395 (LANGLEYS/MIN)	NIP (LANGLEYS/MIN)
120	1440	15.33	0.337	0.192	0.0193	0.284	0.269	0.005
120	1450	15.00	0.261	0.132	0.0190	0.282	0.267	0.005
120	1500	14.94	0.207	0.096	0.0125	0.181	0.170	0.0
120	1510	14.94	0.181	0.080	0.0109	0.144	0.136	0.005
120	1520	15.06	0.232	0.112	0.0153	0.247	0.233	0.005
120	1530	15.11	0.244	0.120	0.0159	0.243	0.230	0.0
120	1540	15.17	0.211	0.098	0.0137	0.226	0.213	0.005
120	1550	14.94	0.127	0.051	0.0075	0.097	0.090	0.0
120	1600	14.78	0.114	0.044	0.0056	0.073	0.070	0.0
120	1610	14.50	0.081	0.028	0.0037	0.054	0.052	0.0
120	1620	14.56	0.068	0.022	0.0031	0.052	0.049	0.005
120	1630	14.50	0.060	0.019	0.0026	0.045	0.043	0.005
120	1640	14.39	0.051	0.015	0.0022	0.037	0.034	0.0
120	1650	14.33	0.055	0.017	0.0022	0.039	0.036	0.005
120	1700	14.28	0.060	0.019	0.0026	0.045	0.040	0.0
120	1710	14.33	0.064	0.021	0.0030	0.052	0.048	0.005
120	1720	14.22	0.068	0.022	0.0025	0.049	0.045	0.005
120	1730	14.17	0.047	0.013	0.0020	0.043	0.039	0.005
120	1740	14.17	0.043	0.012	0.0013	0.032	0.030	0.0
120	1750	14.17	0.039	0.010	0.0012	0.030	0.027	0.0
120	1800	14.11	0.034	0.008	0.0010	0.030	0.027	0.0
120	1810	14.11	0.026	0.004	0.0004	0.026	0.024	0.0
120	1820	14.06	0.018	0.001	0.0001	0.022	0.018	0.005

APPENDIX B

APRIL 1975 LOCAL CLIMATOLOGICAL DATA

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LOCAL CLIMATOLOGICAL DATA

U.S. DEPARTMENT OF COMMERCE
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION
ENVIRONMENTAL DATA SERVICE

RALEIGH, NORTH CAROLINA
NAT WEATHER SERVICE FCST OFC
RALEIGH-DURHAM AIRPORT
APRIL 1975

LATITUDE 35° 52′ N LONGITUDE 78° 47′ W ELEVATION (GROUND) 434 FT. STANDARD TIME USED: EASTERN WBAN #13722

DATE	TEMPERATURE °F					DEGREE DAYS BASE 65°		WEATHER TYPES ON DATES OF OCCURRENCE	SNOW, ICE PELLETS OR ICE ON GROUND AT 07AM	PRECIPITATION		AVG. STATION PRESSURE IN. - - - ELEV. 441 FEET M.S.L.	WIND					SUNSHINE		SKY COVER TENTHS		DATE
	MAXIMUM	MINIMUM	AVERAGE	DEPARTURE FROM NORMAL	AVERAGE DEW POINT	HEATING	COOLING	1 FOG 2 HEAVY FOG x 3 THUNDERSTORM 4 ICE PELLETS 5 HAIL 6 GLAZE 7 DUSTSTORM 8 SMOKE, HAZE 9 BLOWING SNOW	IN.	WATER EQUIVALENT IN	SNOW, ICE PELLETS IN.		RESULTANT DIRECTION	RESULTANT SPEED M.P.H.	AVERAGE SPEED M.P.H.	FASTEST MILE SPEED M.P.H.	FASTEST MILE DIRECTION	HOURS AND TENTHS	PERCENT OF POSSIBLE	SUNRISE TO SUNSET	MIDNIGHT TO MIDNIGHT	
1	2	3	4	5	6	7A	7B	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22
1	69	42	56	1	40	9	0	1 8	0	.25	0	29.57	22	5.8	6.8	12	25	11.5	91	2	4	1
2	74	47	61	6	46	4	0	1 8	0	.10	0	29.49	18	7.3	7.5	16	17	11.2	89	7	5	2
3	65	39	52	-3	36	13	0	1	0	.25	0	29.13	27	13.2	19.1	29	29	10.6	84	3	4	3
4	55	32	44	-12	14	21	0		0	0	0	29.44	30	12.6	13.4	23	29	12.7	100	0	0	4
5	56	33	45	-11	15	20	0		0	0	0	29.52	31	13.9	15.1	26	32	12.7	100	0	0	5
6	57	30	44x	-12	17	21	0		0	0	0	29.52	31	11.9	12.2	21	33	12.8	100	0	0	6
7	61	33	47	-10	22	18	0		0	0	0	29.52	31	9.9	10.2	17	32	12.8	100	1	0	7
8	71	28	50	-7	26	15	0		0	0	0	29.57	28	3.4	3.6	12	26	12.0	93	8	7	8
9	68	39	54	-4	27	11	0		0	0	0	29.59	10	3.0	5.8	12	05	10.6	83	7	7	9
10	66	49	58	0	48	7	0	1 8	0	T	0	29.41	10	1.7	7.9	13	36	5.4	42	10	10	10
11	52	44	48	-10	46	17	0	1 8	0	.15	0	29.40	05	4.8	5.9	9	07	2.1	16	10	10	11
12	60	40	50	-9	32	15	0	1	0	T	0	29.52	31	7.3	8.1	17	32	10.1	78	6	6	12
13	62	28x	45	-14	24	20	0		0	0	0	29.74	29	3.6	5.0	13	27	13.0	100	1	2	13
14	61	41	51	-8	39	14	0	1 8	0	.20	0	29.74	10	7.7	9.5	14	13	2.9	22	10	10	14
15	63	45	54	-6	44	11	0	1 8	0	.52	0	29.45	34	10.9	11.9	17	31	5.2	40	8	7	15
16	63	40	52	-8	32	13	0		0	0	0	29.55	29	8.2	9.5	18	32	12.0	91	2	2	16
17	67	38	53	-7	39	12	0		0	T	0	29.56	20	1.1	4.9	12	12	6.7	51	9	8	17
18	75	51	63	3	48	2	0	8	0	T	0	29.46	19	10.7	12.1	18	22	2.3	17	10	9	18
19	83	59	71	10	58	0	6	3 8	0	.05	0	29.42	21	14.6	16.3	25	22	8.8	66	10	10	19
20	72	48	59	-2	35	6	0		0	0	0	29.60	27	8.5	10.1	16	27	13.3	100	2	2	20
21	66	38	52	-9	31	13	0		0	0	0	29.83	35	5.5	6.3	15	32	13.3	100	0	0	21
22	74	35	55	-7	37	10	0		0	0	0	29.89	20	3.3	4.3	13	18	13.0	98	1	1	22
23	78	52	65	3	52	0	0		0	T	0	29.80	20	9.7	10.2	17	22	10.5	78	8	7	23
24	81	61	71	9	57	0	6		0	T	0	29.61	21	13.9	14.5	17	21	9.5	70	7	8	24
25	83x	61	72x	10	62	0	7		0	T	0	29.47	22	11.4	13.7	24	25	8.5	63	10	7	25
26	80	55	68	5	50	0	3		0	0	0	29.63	34	7.1	8.1	15	34	12.9	95	4	3	26
27	73	49	61	-2	41	4	0	8	0	0	0	29.70	07	2.7	6.8	13	06	12.7	94	5	4	27
28	65	53	59	-4	56	6	0	1 8	0	.12	0	29.44	10	2.9	3.5	12	08	0.4	3	10	10	28
29	72	54	63	0	57	2	0	1 8	0	T	0	29.41	05	4.2	4.6	10	05	4.1	30	10	10	29
30	59	53	56	-8	54	9	0	2 8	0	T	0	29.62	04	6.9	8.2	12	06	0.0	0	10	10	30

OBSERVATIONS AT 3-HOUR INTERVALS

HOUR	SKY COVER	CEILING	VISIBILITY	WEATHER	TEMPERATURE			REL HUM	WIND	
					DRY BULB	WET BULB	DEW PT		DIR	SPEED KNOTS
DAY 01										
01	10	60	12	R	46	40	31	76	21	7
04	10	75	5	RDF	42	42	42	100	21	8
07	9	70	5	DF	44	44	44	100	22	5
10	1	UNL	10		55	50	45	69	28	5
13	0	UNL	12		64	51	38	40	24	5
16	0	UNL	12		68	53	37	31	22	7
19	0	UNL	12		59	48	40	50	18	4
22	2	UNL	12		52	47	42	88	17	8
DAY 02										
01	0	UNL	12		51	48	46	83	21	4
04	0	UNL	12		47	46	45	93	20	5
07	7	250	7		48	48	48	100	00	0
10	6	250	8		64	56	50	61	00	0
13	9	120	10		71	57	45	38	18	9
16	9	250	10		70	56	45	41	18	13
19	0	UNL	12		53	43	34	50	17	10
22	0	UNL	12		48	43	40	80	19	11
DAY 03										
01	10	9	4	F	47	47	47	100	18	10
04	10	11	8		50	50	50	100	18	11
07	8	20	10		52	52	52	100	21	14
10	1	UNL	12		55	46	34	46	28	25
13	0	UNL	12		51	40	24	35	31	24
16	0	UNL	12		50	38	20	31	29	22
19	0	UNL	12		44	34	17	33	29	17
22	0	UNL	12		38	31	17	41	26	10
DAY 04										
01	0	UNL	12		37	30	17	44	25	10
04	0	UNL	12		35	28	18	46	27	9
07	0	UNL	12		38	28	18	42	30	10
10	0	UNL	12		43	33	19	28	31	15
13	0	UNL	12		50	38	23	31	31	15
16	0	UNL	12		52	39	21	28	30	18
19	0	UNL	12		46	34	23	51	31	10
22	0	UNL	12		40	31	23	73	31	6
DAY 05										
01	0	UNL	12		38	31	19	58	30	8
04	0	UNL	12		37	30	18	62	30	9
07	0	UNL	12		38	30	18	58	27	7
10	0	UNL	12		46	33	10	24	29	15
13	0	UNL	12		53	38	17	19	30	18
16	0	UNL	12		54	40	17	23	33	16
19	0	UNL	12		44	34	17	34	34	14
22	0	UNL	12		40	32	18	38	34	16
DAY 06										
01	0	UNL	12		36	28	16	44	34	8
04	0	UNL	12		33	28	17	52	31	5
07	0	UNL	12		34	29	19	52	30	9
10	0	UNL	12		44	35	20	38	31	16
13	0	UNL	12		52	40	21	30	30	12
16	0	UNL	12		56	40	16	21	32	16
19	0	UNL	12		50	37	19	34	33	9
22	0	UNL	12		46	34	19	48	31	10
DAY 07										
01	0	UNL	12		38	30	15	38	32	7
04	0	UNL	12		35	29	18	46	31	6
07	0	UNL	12		37	30	18	46	30	7
10	0	UNL	12		49	38	20	32	31	10
13	3	UNL	12		56	43	25	30	28	11
16	0	UNL	12		60	46	27	28	32	15
19	0	UNL	12		54	42	26	34	28	9
22	0	UNL	12		47	38	27	46	32	6
DAY 08										
01	0	UNL	12		40	36	29	85	00	0
04	0	UNL	12		32	30	27	82	00	0
07	3	250	12		33	33	28	70	00	0
10	8	UNL	12		53	42	28	38	30	8
13	9	250	12		63	46	22	21	28	7
16	9	250	12		68	47	17	14	26	10
19	10	UNL	12		55	43	28	38	00	0
22	10	190	12		51	42	32	48	00	0
DAY 09										
01	10	130	12		52	43	33	48	00	0
04	3	UNL	12		43	38	29	68	03	6
07	7	UNL	12		46	37	25	48	05	7
10	3	UNL	10		55	42	25	31	07	6
13	7	UNL	12		64	47	25	25	10	4
16	9	250	12		67	47	22	18	21	5
19	10	250	12		58	46	30	55	18	5
22	10	200	12		57	46	32	58	19	7
DAY 10										
01	10	70	12		56	49	43	62	17	8
04	10	45	10		54	50	47	77	14	7
07	10	20	6	H	52	51	51	96	00	3
10	10	13	6	H	47	54	52	83	01	6
13	10	80	6	H	80	54	48	47	31	8
16	10	250	6	H	84	54	48	47	32	8
19	10	250	6	H	56	51	47	72	10	8
22	10	80	4	RFW	50	50	50	100	13	7
DAY 11										
01	4	UNL	2	GFW	48	48	48	100	00	0
04	10	3	1	F	49	49	49	100	08	5
07	10	4	1	RDF	47	47	47	100	03	5
10	10	55	5	DF	46	45	45	96	03	7
13	10	45	2	RDF	45	44	44	96	01	7
16	10	11	1	RDF	45	44	44	89	03	6
19	10	16	5	H	47	45	44	89	09	6
22	10	37	6	H	46	44	43	93	11	5
DAY 12										
01	10	70	1	8 DF	44	44	44	100	27	3
04	10	2	1	8 F	43	43	43	100	32	5
07	9	100	5	DF	44	44	44	100	31	5
10	7	70	10		50	41	28	43	30	13
13	7	70	10		55	43	27	34	32	8
16	5	UNL	10		56	42	23	28	30	8
19	2	UNL	12		50	38	24	38	32	5
22	0	UNL	12		43	36	24	47	01	8
DAY 13										
01	0	UNL	12		38	32	24	62	02	5
04	0	UNL	12		32	28	24	72	16	3
07	0	UNL	12		33	32	30	88	00	0
10	0	UNL	12		54	39	19	27	30	8
13	0	UNL	12		58	41	19	23	28	8
16	7	UNL	12		60	44	22	23	29	7
19	2	UNL	12		55	42	25	31	27	4
22	7	250	12		45	39	31	58	00	0
DAY 14										
01	10	250	12		44	38	32	63	03	6
04	10	250	12		43	38	31	63	08	5
07	10	180	12		43	39	35	73	06	8
10	10	170	8		53	46	38	57	10	12
13	10	120	10		58	48	37	44	13	12
16	10	70	10		60	48	37	42	15	8
19	10	35	8	R	50	50	50	100	11	4
22	10	20	6	RH	49	48	48	96	12	11
DAY 15										
01	10	4	1	8 DF	47	47	47	100	03	9
04	10	4	1	8 DF	47	47	47	100	35	11
07	10	6	6	F	46	46	46	100	33	11
10	10	7	6	H	47	46	46	93	36	11
13	10	22	9		55	51	48	77	32	9
16	5	UNL	12		60	51	45	58	31	10
19	5	UNL	12		56	47	39	55	32	9
22	10	60	12		52	44	36	66	33	8
DAY 16										
01	0	UNL	12		46	41	34	63	31	9
04	10	60	12		45	38	28	51	30	9
07	0	UNL	10		42	37	30	63	27	8
10	5	UNL	10		52	43	31	46	31	10
13	5	UNL	8		59	46	32	36	28	11
16	2	UNL	10		61	47	31	32	28	13
19	0	UNL	12		58	46	31	38	31	4
22	0	UNL	12		43	41	38	83	18	4
DAY 17										
01	5	UNL	12		46	41	36	73	30	4
04	10	90	12		43	41	38	83	00	0
07	10	80	8		46	43	41	88	00	0
10	10	80	8		56	46	34	44	01	4
13	10	60	8	R	56	47	38	52	24	6
16	10	UNL	10		55	52	38	38	24	8
19	2	UNL	10		47	45	44	94	11	6
22	10	80	12		53	48	44	72	15	7
DAY 18										
01	8	190	12		55	48	43	69	14	9
04	2	UNL	12		52	50	48	88	14	7
07	10	90	6	RWH	54	53	52	93	17	7
10	10	90	8	H	57	57	50	59	17	8
13	10	45	7		73	55	38	29	29	18
16	10	100	8		74	58	38	29	31	14
19	10	100	12		71	59	45	46	18	10
22	10	250	12		59	51	39	61	18	13
DAY 19										
01	10	UNL	12		54	51	48	80	16	7
04	10	UNL	12		52	51	50	93	22	7
07	4	UNL	8		55	54	53	93	19	6
10	0	UNL	10		59	51	46	63	21	12
13	0	UNL	10		70	52	35	28	21	5
16	0	UNL	12		74	54	36	25	23	10
19	2	UNL	12		63	51	40	43	14	8
22	0	UNL	12		59	49	36	48	18	8
DAY 20										
01	8	90	12		57	48	39	51	31	8
04	3	UNL	12		53	47	40	62	23	4
07	1	UNL	12		53	48	44	72	22	5
10	1	UNL	12		64	51	37	37	30	13
13	1	UNL	12		70	52	35	28	25	12
16	2	UNL	12		72	52	31	22	25	13
19	2	UNL	12		66	48	27	23	28	8
22	0	UNL	12		55	44	30	39	33	8
DAY 21										
01	0	UNL	12		51	41	28	41	38	7
04	0	UNL	12		42	37	31	69	04	3
07	0	UNL	12		47	40	32	58	35	7
10	0	UNL	12		57	44	28	34	30	10
13	0	UNL	12		61	48	29	30	01	10
16	0	UNL	12		64	48	28	25	33	7
19	0	UNL	12		59	46	30	53	00	0
22	0	UNL	12		44	41	37	76	00	0
DAY 22										
01	0	UNL	12		42	38	35	76	00	0
04	0	UNL	10		38	37	35	89	00	0
07	4	UNL	8		41	40	38	89	00	0
10	0	UNL	10		61	49	38	38	27	3
13	0	UNL	10		70	52	35	28	21	5
16	0	UNL	10		74	54	36	25	23	10
19	2	UNL	12		63	51	40	43	14	8
22	0	UNL	12		59	49	38	48	18	8
DAY 23										
01	0	UNL	12		54	51	48	80	16	7
04	0	UNL	10		52	51	50	93	22	7
07	0	UNL	10		55	54	53	93	19	6
10	0	UNL	10		59	51	46	63	21	12
13	0	UNL	10		75	62	54	48	22	9
16	0	UNL	12		77	62	51	40	19	11
19	2	UNL	10		70	59	50	48	19	8
22	0	UNL	12		66	56	46	48	19	11
DAY 24										
01	10	70	10	R	63	59	56	78	21	13
04	10	80	10		62	58	55	78	18	9
07	10	80	10		65	58	51	67	21	12
10	10	150	10		70	63	56	66	25	13
13	8	100	10		77	65	58	52	23	15
16	9	45	10		77	64	58	48	22	15
19	3	UNL	10		74	64	58	58	18	14
22	10	80	12		70	63	59	68	21	10
DAY 25										
01	8	75	10		67	64	62	84	19	12
04	8	UNL	10		62	61	61	97	20	8
07	10	250	10		62	61	61	97	22	8
10	10	UNL	7		75	68	64	71	20	13
13	10	250	10		83	71	65	55	21	17
16	10	90	8		76	66	61	60	24	20
19	7	40	10		73	66	62	69	27	10
22	0	UNL	12		64	59	54	73	32	7
DAY 26										
01	1	UNL	12		62	56	52	70	32	7
04	0	UNL	12		58	54	51	78	36	9
07	0	UNL	10		58	55	52	78	32	5
10	7	UNL	8		70	60	52	53	33	12
13	1	UNL	8		75	60	48	38	33	5
16	0	UNL	10		75	59	46	38	32	8
19	4	UNL	10		68	57	48	51	03	4
22	4	UNL	12		60	54	48	67	04	6
DAY 27										
01	0	UNL	12		55	52	50	83	07	6
04	0	UNL	5	H	50	47	46	83	04	8
07	2	UNL	10		52	45	33	48	05	9
10	7	UNL	10		62	48	32	32	05	7
13	7	UNL	10		68	52	35	28	29	6
16	8	UNL	10		71	55	40	33	31	7
19	6	UNL	10		62	53	45	54	11	4
22	5	UNL	12		56	51	46	69	11	4
DAY 28										
01	10	250	12		58	52	48	75	14	7
04	10	54	7	H	55	54	54	96	00	0
07	10	10	1	8 DF	55	55	55	100	00	0
10	10	4	1	8 DF	55	55	55	100	00	0
13	10	6	1	8 F	58	58	58	100	00	0
16	10	10	2	F	62	61	60	93	00	0
19	10	7	2	F	58	58	58	100	07	5
22	10	2	1	LF	54	54	54	100	07	5
DAY 29										
01	10	2	1	LF	54	54	54	100	08	6
04	10	1	0	8 LF	54	54	54	100	00	0
07	10	1	0	8 F	54	54	54	100	04	5
10	10	3	1	12 F	58	58	58	100	05	5
13	10	14	4	H	66	63	61	84	02	6
16	10	250	6	H	71	64	58	66	00	0
19	10	70	6	H	65	62	60	84	09	5
22	10	40	5	H	60	56	51	80	04	5
DAY 30										
01	10	5	4	FW	58	57	56	93	05	6
04	10	4	4	H	55	54	54	96	05	7
07	10	4	2	FW	54	53	53	96	03	8
10	10	5	2	8 LFW	58	54	53	80	04	7
13	10	7	2	H	58	55	53	84	04	8
16	10	8	3	H	58	54	53	84	04	9
19	10	5	2	FW	55	54	53	93	07	7
22	10	4	2	LFW	54	53	53	96	29	6

ADDITIONAL DATA

OTHER OBSERVATIONAL DATA CONTAINED IN RECORDS ON FILE CAN BE FURNISHED AT COST VIA MICROFILM, MICROFICHE, OR PAPER COPIES OF THE ORIGINAL RECORDS. INQUIRIES AS TO AVAILABILITY AND COSTS SHOULD BE ADDRESSED TO: DIRECTOR, NATIONAL CLIMATIC CENTER, FEDERAL BUILDING, ASHEVILLE, NORTH CAROLINA 28801.

STATION: RALEIGH N C YEAR & MONTH: 75 04

NOTES

CEILING COLUMN-
UNL INDICATES NO UNLIMITED CEILING

WEATHER COLUMN-

+	TORNADO
T	THUNDERSTORM
Q	SQUALL
R	RAIN
RW	RAIN SHOWERS
ZR	FREEZING RAIN
L	DRIZZLE
ZL	FREEZING DRIZZLE
S	SNOW
SP	SNOW PELLETS
IC	ICE CRYSTALS
SW	SNOW SHOWERS
SG	SNOW GRAINS
IP	ICE PELLETS
H	HAIL
F	FOG
IF	ICE FOG
DF	GROUND FOG
BD	BLOWING DUST
BN	BLOWING SAND
BS	BLOWING SNOW
BY	BLOWING SPRAY
K	SMOKE
H	HAZE
D	DUST

WIND COLUMNS-

DIRECTIONS ARE THOSE FROM WHICH THE WIND BLOWS, INDICATED IN TENS OF DEGREES FROM TRUE NORTH: I.E., 09 FOR EAST, 18 FOR SOUTH, 27 FOR WEST. ENTRY OF 00 IN THE DIRECTION COLUMN INDICATES CALM.

SPEED IS EXPRESSED IN KNOTS; MULTIPLY BY 1.15 TO CONVERT TO MILES PER HOUR.

APPENDIX C

OCTOBER 1975 k_1 AND RADIOMETRIC DATA

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MII SUNLIGHT INTENSITY STUDY: USEPA CONTRACT NO. 68-02-2258 LUNAR DATE: 10-10-75 JULIAN DATE: 75283

JULIAN DATE	TIME (EST)	TEMP (°C)	NDB (PPM)	KID (1/MIN)	UV (LANGLEYS/MIN)	TSR (LANGLEYS/MIN)	395 (LANGLEYS/MIN)	VIP (LANGLEYS/MIN)
283	710	16.80	0.057	0.028	0.0017	0.044	0.053	0.019
283	711	16.80	0.059	0.029	0.0018	0.045	0.055	0.019
283	712	16.80	0.061	0.031	0.0019	0.047	0.058	0.015
283	713	16.80	0.061	0.031	0.0020	0.048	0.060	0.019
283	714	16.80	0.063	0.032	0.0023	0.051	0.062	0.019
283	715	16.80	0.065	0.033	0.0023	0.056	0.064	0.019
283	716	16.80	0.067	0.034	0.0026	0.059	0.066	0.019
283	717	16.80	0.069	0.035	0.0025	0.059	0.066	0.015
283	718	16.80	0.069	0.035	0.0026	0.059	0.069	0.019
283	719	16.80	0.071	0.036	0.0027	0.059	0.069	0.015
283	720	16.80	0.071	0.036	0.0028	0.062	0.071	0.019
283	721	16.80	0.071	0.036	0.0029	0.065	0.073	0.019
283	722	16.80	0.073	0.037	0.0029	0.063	0.073	0.015
283	723	16.80	0.073	0.037	0.0029	0.063	0.073	0.019
283	724	16.80	0.073	0.037	0.0029	0.065	0.073	0.019
283	725	16.80	0.075	0.039	0.0029	0.065	0.073	0.019
283	726	16.80	0.073	0.037	0.0029	0.066	0.075	0.019
283	727	16.80	0.075	0.039	0.0029	0.066	0.077	0.019
283	728	16.80	0.075	0.039	0.0029	0.066	0.075	0.019
283	729	16.80	0.075	0.039	0.0031	0.068	0.077	0.019
283	730	16.80	0.077	0.040	0.0033	0.071	0.080	0.019
283	731	16.80	0.077	0.040	0.0034	0.072	0.080	0.019
283	732	16.80	0.079	0.041	0.0037	0.075	0.084	0.019
283	733	16.80	0.081	0.042	0.0037	0.078	0.086	0.019
283	734	16.80	0.085	0.044	0.0038	0.081	0.088	0.019
283	735	16.80	0.087	0.046	0.0038	0.080	0.086	0.015
283	736	16.80	0.089	0.047	0.0037	0.078	0.086	0.019
283	737	16.90	0.089	0.047	0.0036	0.075	0.082	0.019
283	738	16.90	0.089	0.047	0.0034	0.071	0.080	0.019
283	739	16.90	0.087	0.046	0.0033	0.068	0.077	0.015
283	740	16.90	0.085	0.044	0.0034	0.071	0.080	0.015
283	741	16.90	0.083	0.043	0.0034	0.072	0.082	0.019
283	742	16.90	0.083	0.043	0.0035	0.074	0.084	0.019
283	743	16.90	0.085	0.044	0.0037	0.077	0.084	0.024
283	744	17.00	0.085	0.044	0.0038	0.078	0.086	0.019
283	745	17.10	0.087	0.046	0.0039	0.080	0.088	0.019
283	746	17.00	0.089	0.047	0.0041	0.084	0.093	0.019
283	747	17.00	0.091	0.048	0.0042	0.087	0.095	0.019
283	748	17.00	0.091	0.048	0.0044	0.093	0.102	0.019
283	750	17.00	0.097	0.052	0.0052	0.108	0.115	0.019
283	751	17.00	0.101	0.054	0.0054	0.110	0.115	0.015
283	752	17.10	0.107	0.056	0.0058	0.117	0.124	0.015
283	753	17.10	0.109	0.059	0.0061	0.125	0.131	0.019
283	754	17.10	0.115	0.063	0.0061	0.126	0.131	0.019
283	755	17.00	0.118	0.066	0.0061	0.125	0.131	0.019
283	756	17.00	0.120	0.067	0.0062	0.128	0.133	0.019
283	757	17.10	0.122	0.068	0.0065	0.135	0.139	0.019
283	758	17.10	0.122	0.068	0.0067	0.140	0.144	0.019
283	759	17.20	0.124	0.070	0.0071	0.143	0.148	0.024
283	800	17.20	0.126	0.071	0.0071	0.144	0.150	0.019
283	801	17.30	0.130	0.074	0.0070	0.147	0.153	0.024
283	802	17.20	0.130	0.074	0.0071	0.146	0.150	0.019

MII SUNLIGHT INTENSITY STUDY: USEPA CONTRACT NO. 68-02-2258 LUNAR DATE: 10-10-75 JULIAN DATE: 75283

JULIAN DATE	TIME (EST)	TEMP (°C)	NOB (PPM)	KIB (1/MIN)	UV (LANGLEYS/MIN)	TSR (LANGLEYS/MIN)	395 (LANGLEYS/MIN)	NIP (LANGLEYS/MIN)
283	803	17.20	0.130	0.074	0.0073	0.146	0.150	0.019
283	804	17.20	0.130	0.074	0.0077	0.150	0.155	0.019
283	805	17.10	0.132	0.075	0.0083	0.165	0.168	0.019
283	806	17.10	0.136	0.078	0.0086	0.176	0.177	0.019
283	807	17.10	0.140	0.081	0.0088	0.174	0.177	0.024
283	808	17.20	0.144	0.083	0.0090	0.176	0.177	0.024
283	809	17.20	0.146	0.086	0.0094	0.186	0.188	0.019
283	810	17.20	0.150	0.088	0.0097	0.197	0.197	0.024
283	811	17.30	0.154	0.090	0.0100	0.205	0.206	0.019
283	812	17.30	0.158	0.093	0.0102	0.211	0.210	0.019
283	813	17.30	0.160	0.095	0.0103	0.209	0.208	0.024
283	814	17.30	0.164	0.098	0.0102	0.197	0.197	0.019
283	815	17.40	0.166	0.099	0.0101	0.188	0.188	0.024
283	816	17.40	0.166	0.099	0.0100	0.182	0.184	0.019
283	817	17.40	0.166	0.099	0.0099	0.182	0.181	0.015
283	818	17.40	0.164	0.098	0.0094	0.179	0.181	0.019
283	819	17.40	0.160	0.095	0.0091	0.176	0.177	0.019
283	820	17.40	0.158	0.093	0.0092	0.177	0.179	0.019
283	821	17.40	0.158	0.093	0.0097	0.183	0.184	0.015
283	822	17.40	0.158	0.093	0.0106	0.197	0.197	0.019
283	823	17.40	0.160	0.095	0.0115	0.220	0.219	0.019
283	824	17.50	0.166	0.099	0.0123	0.248	0.246	0.019
283	825	17.50	0.174	0.105	0.0129	0.269	0.268	0.019
283	826	17.50	0.182	0.111	0.0126	0.260	0.257	0.019
283	827	17.50	0.188	0.116	0.0123	0.241	0.239	0.019
283	828	17.60	0.190	0.118	0.0126	0.239	0.235	0.019
283	829	17.60	0.190	0.118	0.0133	0.256	0.252	0.019
283	830	17.60	0.192	0.119	0.0139	0.277	0.272	0.019
283	831	17.60	0.196	0.123	0.0137	0.272	0.268	0.015
283	832	17.60	0.201	0.127	0.0135	0.265	0.261	0.019
283	833	17.70	0.203	0.129	0.0135	0.263	0.259	0.024
283	834	17.70	0.203	0.129	0.0135	0.260	0.257	0.019
283	835	17.70	0.201	0.128	0.0137	0.266	0.261	0.024
283	836	17.80	0.201	0.128	0.0140	0.277	0.272	0.024
283	837	17.80	0.201	0.128	0.0143	0.283	0.279	0.024
283	838	17.90	0.203	0.129	0.0148	0.293	0.288	0.019
283	839	17.90	0.205	0.131	0.0156	0.307	0.301	0.019
283	840	17.90	0.209	0.134	0.0164	0.323	0.316	0.019
283	841	17.90	0.215	0.139	0.0168	0.332	0.325	0.024
283	842	17.90	0.223	0.146	0.0164	0.317	0.310	0.019
283	843	17.90	0.227	0.150	0.0162	0.295	0.288	0.019
283	844	17.90	0.227	0.150	0.0164	0.290	0.283	0.024
283	845	17.80	0.225	0.148	0.0167	0.292	0.285	0.019
283	846	17.90	0.225	0.148	0.0173	0.304	0.296	0.024
283	847	18.00	0.225	0.148	0.0175	0.313	0.305	0.019
283	848	18.00	0.229	0.152	0.0174	0.310	0.301	0.019
283	849	18.00	0.231	0.153	0.0171	0.299	0.290	0.019
283	850	18.00	0.231	0.153	0.0171	0.308	0.299	0.044
283	851	18.10	0.231	0.153	0.0163	0.286	0.279	0.024
283	852	18.10	0.229	0.152	0.0155	0.274	0.265	0.019
283	853	18.10	0.225	0.148	0.0143	0.251	0.246	0.024
283	854	18.10	0.217	0.141	0.0132	0.227	0.223	0.019

MII SUNLIGHT INTENSITY STUDY: USEPA CONTRACT NO. 68-02-2258 LUNAR DATE: 10-10-75 JULIAN DATE: 75283

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283	855	18.10	0.209	0.134	0.0120	0.209	0.206	0.019
283	856	18.10	0.192	0.119	0.0110	0.198	0.197	0.019
283	857	18.10	0.182	0.112	0.0104	0.195	0.192	0.015
283	858	18.20	0.174	0.105	0.0101	0.191	0.190	0.019
283	859	18.20	0.168	0.101	0.0096	0.183	0.184	0.015
283	900	18.10	0.164	0.098	0.0088	0.170	0.170	0.019
283	901	18.30	0.158	0.094	0.0083	0.158	0.159	0.015
283	902	18.30	0.154	0.091	0.0077	0.147	0.150	0.015
283	903	18.40	0.146	0.085	0.0072	0.140	0.144	0.015
283	904	18.50	0.142	0.082	0.0070	0.137	0.139	0.015
283	905	18.50	0.140	0.081	0.0074	0.143	0.144	0.015
283	906	18.50	0.140	0.081	0.0080	0.155	0.159	0.015
283	907	18.50	0.144	0.084	0.0091	0.179	0.179	0.019
283	908	18.50	0.152	0.089	0.0099	0.191	0.192	0.019
283	909	18.40	0.158	0.094	0.0101	0.197	0.197	0.024
283	910	18.40	0.162	0.097	0.0099	0.191	0.190	0.019
283	911	18.40	0.160	0.095	0.0094	0.183	0.184	0.019
283	912	18.40	0.158	0.094	0.0087	0.168	0.168	0.019
283	913	18.40	0.154	0.091	0.0080	0.155	0.157	0.015
283	914	18.40	0.150	0.088	0.0079	0.150	0.153	0.015
283	915	18.30	0.148	0.086	0.0087	0.164	0.166	0.019
283	916	18.30	0.152	0.089	0.0102	0.189	0.190	0.019
283	917	18.30	0.158	0.094	0.0119	0.220	0.219	0.024
283	918	18.40	0.168	0.101	0.0133	0.244	0.243	0.019
283	919	18.50	0.178	0.109	0.0146	0.272	0.270	0.019
283	920	18.50	0.190	0.118	0.0159	0.302	0.299	0.019
283	921	18.60	0.199	0.126	0.0172	0.340	0.332	0.024
283	922	18.60	0.211	0.136	0.0183	0.403	0.392	0.092
283	923	18.70	0.229	0.152	0.0186	0.442	0.431	0.228
283	924	18.80	0.239	0.161	0.0165	0.319	0.312	0.058
283	925	18.90	0.231	0.154	0.0159	0.289	0.283	0.019
283	926	18.90	0.221	0.145	0.0161	0.292	0.285	0.019
283	927	18.90	0.215	0.140	0.0164	0.298	0.292	0.019
283	928	18.90	0.215	0.140	0.0170	0.301	0.294	0.019
283	929	19.00	0.217	0.141	0.0176	0.304	0.296	0.015
283	930	19.00	0.221	0.145	0.0182	0.304	0.296	0.015
283	931	18.90	0.225	0.148	0.0188	0.308	0.299	0.019
283	932	19.00	0.229	0.152	0.0191	0.310	0.301	0.019
283	933	19.00	0.231	0.154	0.0193	0.308	0.299	0.019
283	934	19.00	0.235	0.157	0.0197	0.311	0.301	0.019
283	935	19.00	0.237	0.159	0.0202	0.323	0.312	0.019
283	936	19.00	0.241	0.163	0.0206	0.332	0.321	0.019
283	937	19.10	0.243	0.165	0.0210	0.338	0.327	0.019
283	938	19.10	0.247	0.168	0.0218	0.349	0.334	0.015
283	939	19.00	0.253	0.174	0.0234	0.380	0.365	0.019
283	940	19.00	0.261	0.182	0.0254	0.435	0.418	0.019
283	941	19.10	0.273	0.194	0.0326	0.887	0.856	0.690
283	942	19.30	0.304	0.229	0.0317	0.847	0.816	0.612
283	943	19.20	0.330	0.259	0.0266	0.498	0.480	0.029
283	944	19.30	0.306	0.235	0.0272	0.526	0.507	0.039
283	945	19.50	0.302	0.226	0.0268	0.540	0.522	0.053
283	946	19.60	0.314	0.240	0.0254	0.513	0.498	0.068

RTI SUNLIGHT INTENSITY STUDY: USEPA CONTRACT NO. 68-02-2258 LUNAR DATE: 10-10-75 JULIAN DATE: 75283

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283	947	19.60	0.314	0.240	0.0249	0.516	0.493	0.097
283	948	19.50	0.304	0.229	0.0232	0.450	0.434	0.053
283	949	19.40	0.288	0.211	0.0218	0.397	0.385	0.024
283	950	19.40	0.278	0.200	0.0212	0.379	0.365	0.019
283	951	19.40	0.271	0.192	0.0210	0.373	0.361	0.019
283	952	19.40	0.263	0.184	0.0208	0.365	0.354	0.019
283	953	19.40	0.261	0.182	0.0200	0.355	0.345	0.019
283	954	19.50	0.257	0.178	0.0192	0.340	0.330	0.015
283	955	19.40	0.253	0.174	0.0185	0.325	0.314	0.015
283	956	19.30	0.247	0.169	0.0186	0.323	0.314	0.019
283	957	19.30	0.241	0.163	0.0191	0.335	0.325	0.015
283	958	19.20	0.241	0.163	0.0187	0.338	0.327	0.015
283	959	19.20	0.243	0.165	0.0173	0.310	0.299	0.019
283	1000	19.30	0.237	0.159	0.0164	0.290	0.281	0.015
283	1001	19.30	0.233	0.156	0.0162	0.286	0.274	0.015
283	1002	19.30	0.227	0.150	0.0165	0.290	0.279	0.015
283	1003	19.30	0.225	0.148	0.0167	0.293	0.283	0.019
283	1004	19.40	0.225	0.148	0.0169	0.293	0.281	0.019
283	1005	19.40	0.227	0.150	0.0173	0.298	0.285	0.015
283	1006	19.40	0.227	0.150	0.0182	0.310	0.296	0.019
283	1007	19.30	0.233	0.156	0.0194	0.328	0.312	0.019
283	1008	19.10	0.237	0.159	0.0207	0.349	0.332	0.019
283	1009	19.10	0.243	0.165	0.0216	0.367	0.350	0.019
283	1010	19.30	0.249	0.170	0.0219	0.379	0.361	0.024
283	1011	19.30	0.253	0.174	0.0217	0.377	0.358	0.019
283	1012	19.40	0.253	0.174	0.0210	0.367	0.347	0.019
283	1013	19.40	0.253	0.174	0.0197	0.344	0.327	0.024
283	1014	19.50	0.249	0.170	0.0181	0.314	0.299	0.015
283	1015	19.40	0.241	0.163	0.0176	0.298	0.283	0.015
283	1016	19.40	0.237	0.159	0.0180	0.302	0.288	0.015
283	1017	19.50	0.235	0.157	0.0187	0.314	0.299	0.019
283	1018	19.50	0.233	0.156	0.0192	0.326	0.308	0.015
283	1019	19.50	0.235	0.157	0.0191	0.325	0.308	0.015
283	1020	19.40	0.237	0.159	0.0187	0.320	0.303	0.015
283	1021	19.40	0.237	0.159	0.0186	0.317	0.299	0.019
283	1022	19.40	0.237	0.159	0.0187	0.319	0.303	0.015
283	1023	19.40	0.237	0.159	0.0193	0.328	0.312	0.019
283	1024	19.40	0.237	0.159	0.0201	0.344	0.327	0.015
283	1025	19.50	0.243	0.165	0.0211	0.362	0.343	0.015
283	1026	19.50	0.249	0.170	0.0222	0.389	0.369	0.039
283	1027	19.50	0.255	0.176	0.0222	0.386	0.367	0.019
283	1028	19.50	0.263	0.184	0.0223	0.389	0.369	0.019
283	1029	19.50	0.263	0.184	0.0224	0.392	0.372	0.019
283	1030	19.60	0.265	0.186	0.0223	0.391	0.369	0.019
283	1031	19.60	0.265	0.186	0.0222	0.388	0.367	0.019
283	1032	19.60	0.265	0.186	0.0223	0.386	0.365	0.019
283	1033	19.60	0.269	0.190	0.0224	0.386	0.365	0.024
283	1034	19.50	0.269	0.190	0.0226	0.386	0.367	0.019
283	1035	19.60	0.271	0.192	0.0231	0.392	0.372	0.024
283	1036	19.60	0.273	0.194	0.0242	0.408	0.385	0.015
283	1037	19.60	0.275	0.196	0.0258	0.429	0.405	0.019
283	1038	19.60	0.280	0.203	0.0277	0.465	0.438	0.015

MIT SUNLIGHT INTENSITY STUDY: USEPA CONTRACT NO. 68-02-2258 LUNAR DATE: 10-10-75 JULIAN DATE: 75283

JULIAN DATE	TIME (EST)	TEMP (^{o}C)	NOB (PPM)	KIM (1/MIN)	UV (LANGLEYS/MIN)	TSK (LANGLEYS/MIN)	395 (LANGLEYS/MIN)	VIP (LANGLEYS/MIN)
283	1039	19.70	0.290	0.213	0.0297	0.507	0.478	0.015
283	1040	19.70	0.300	0.224	0.0315	0.550	0.520	0.034
283	1041	19.80	0.312	0.238	0.0327	0.586	0.553	0.049
283	1042	19.90	0.322	0.250	0.0357	0.716	0.675	0.160
283	1043	19.90	0.342	0.275	0.0355	0.689	0.648	0.117
283	1044	20.10	0.344	0.278	0.0359	0.719	0.688	0.170
283	1045	20.20	0.344	0.278	0.0324	0.602	0.569	0.034
283	1046	20.20	0.342	0.275	0.0307	0.556	0.527	0.019
283	1047	20.20	0.330	0.260	0.0301	0.541	0.511	0.019
283	1048	20.00	0.320	0.248	0.0296	0.532	0.502	0.019
283	1049	20.10	0.320	0.248	0.0292	0.526	0.498	0.015
283	1050	20.00	0.318	0.245	0.0286	0.517	0.489	0.024
283	1051	20.00	0.318	0.245	0.0270	0.486	0.460	0.015
283	1052	20.00	0.310	0.236	0.0264	0.469	0.442	0.015
283	1053	20.00	0.302	0.227	0.0262	0.460	0.434	0.015
283	1054	19.90	0.300	0.224	0.0268	0.465	0.438	0.015
283	1055	19.90	0.298	0.222	0.0276	0.481	0.454	0.010
283	1056	19.90	0.302	0.227	0.0283	0.496	0.469	0.019
283	1057	20.00	0.306	0.231	0.0289	0.513	0.482	0.019
283	1058	20.10	0.308	0.234	0.0295	0.532	0.502	0.029
283	1059	20.30	0.314	0.241	0.0289	0.516	0.487	0.024
283	1100	20.20	0.314	0.241	0.0292	0.522	0.493	0.024
283	1101	20.20	0.312	0.238	0.0303	0.556	0.527	0.034
283	1102	20.30	0.316	0.243	0.0361	0.932	0.889	0.564
283	1103	20.40	0.338	0.270	0.0285	0.510	0.478	0.024
283	1104	20.30	0.324	0.253	0.0271	0.478	0.451	0.019
283	1105	20.30	0.312	0.238	0.0265	0.465	0.438	0.019
283	1106	20.20	0.302	0.227	0.0268	0.472	0.445	0.019
283	1107	20.20	0.300	0.224	0.0280	0.502	0.473	0.019
283	1108	20.30	0.304	0.229	0.0295	0.532	0.502	0.029
283	1109	20.40	0.314	0.241	0.0297	0.528	0.496	0.019
283	1110	20.40	0.318	0.245	0.0306	0.538	0.507	0.019
283	1111	20.50	0.322	0.250	0.0314	0.550	0.520	0.024
283	1112	20.60	0.326	0.255	0.0324	0.576	0.542	0.015
283	1113	20.50	0.330	0.260	0.0336	0.611	0.573	0.019
283	1114	20.50	0.338	0.270	0.0338	0.620	0.582	0.024
283	1115	20.50	0.342	0.275	0.0336	0.621	0.584	0.029
283	1116	20.60	0.342	0.275	0.0324	0.591	0.558	0.019
283	1117	20.60	0.342	0.275	0.0312	0.559	0.527	0.015
283	1118	20.50	0.332	0.262	0.0306	0.546	0.513	0.015
283	1119	20.50	0.326	0.255	0.0350	0.612	0.575	0.097
283	1120	20.40	0.326	0.255	0.0319	0.592	0.555	0.063
283	1121	20.40	0.342	0.275	0.0298	0.526	0.496	0.015
283	1122	20.50	0.326	0.255	0.0295	0.514	0.485	0.019
283	1123	20.40	0.314	0.241	0.0297	0.511	0.480	0.024
283	1124	20.40	0.310	0.236	0.0298	0.508	0.478	0.019
283	1125	20.50	0.308	0.234	0.0300	0.510	0.478	0.019
283	1126	20.50	0.308	0.234	0.0307	0.522	0.491	0.015
283	1127	20.60	0.310	0.236	0.0319	0.549	0.515	0.024
283	1128	20.60	0.314	0.241	0.0335	0.594	0.558	0.053
283	1129	20.70	0.320	0.248	0.0332	0.583	0.549	0.024
283	1130	20.60	0.326	0.255	0.0337	0.594	0.560	0.029

RTI SUNLIGHT INTENSITY STUDY: USEPA CONTRACT NO. 68-02-2258 LUNAR DATE: 10-10-75 JULIAN DATE: 75283

JULIAN DATE	TIME (EST)	TEMP (°C)	NOR (PPM)	KIR (1/MIN)	UV (LANGLEYS/MIN)	TSR (LANGLEYS/MIN)	395 (LANGLEYS/MIN)	NIP (LANGLEYS/MIN)
283	1131	20.60	0.326	0.255	0.0450	1.188	1.124	0.802
283	1132	20.60	0.346	0.280	0.0313	0.546	0.515	0.029
283	1133	20.60	0.359	0.299	0.0302	0.508	0.478	0.019
283	1134	20.50	0.332	0.262	0.0303	0.507	0.478	0.019
283	1135	20.60	0.318	0.245	0.0306	0.514	0.485	0.024
283	1136	20.50	0.314	0.241	0.0305	0.511	0.480	0.019
283	1137	20.50	0.314	0.241	0.0321	0.568	0.531	0.097
283	1138	20.40	0.318	0.245	0.0308	0.507	0.478	0.019
283	1139	20.40	0.316	0.243	0.0319	0.535	0.502	0.019
283	1140	20.40	0.316	0.243	0.0383	0.830	0.777	0.350
283	1141	20.40	0.324	0.253	0.0311	0.528	0.496	0.019
283	1142	20.30	0.326	0.255	0.0310	0.531	0.498	0.019
283	1143	20.50	0.322	0.250	0.0306	0.528	0.496	0.019
283	1144	20.80	0.318	0.245	0.0303	0.522	0.491	0.024
283	1145	20.80	0.318	0.245	0.0306	0.523	0.491	0.024
283	1146	20.70	0.318	0.245	0.0313	0.534	0.502	0.015
283	1147	20.80	0.320	0.248	0.0327	0.567	0.531	0.019
283	1148	20.80	0.324	0.253	0.0327	0.567	0.531	0.019
283	1149	20.70	0.330	0.260	0.0330	0.580	0.544	0.019
283	1150	20.70	0.332	0.263	0.0362	0.686	0.639	0.136
283	1151	20.80	0.338	0.270	0.0330	0.582	0.546	0.029
283	1152	20.90	0.336	0.268	0.0330	0.573	0.538	0.019
283	1153	20.90	0.334	0.265	0.0360	0.693	0.650	0.185
283	1154	21.00	0.336	0.268	0.0346	0.608	0.571	0.029
283	1155	21.00	0.348	0.283	0.0479	1.223	1.153	0.782
283	1231	20.90	0.336	0.268	0.0376	0.699	0.670	0.243
283	1232	20.80	0.346	0.280	0.0368	0.657	0.613	0.068
283	1233	20.80	0.355	0.294	0.0363	0.639	0.597	0.024
283	1234	20.80	0.355	0.294	0.0502	1.271	1.195	0.797
283	1235	21.00	0.399	0.359	0.0503	1.299	1.226	0.889
283	1236	21.30	0.419	0.392	0.0500	1.301	1.232	0.875
283	1237	21.50	0.425	0.402	0.0469	1.098	1.027	0.559
283	1238	21.30	0.411	0.378	0.0413	0.842	0.790	0.233
283	1239	21.10	0.405	0.368	0.0473	1.162	1.049	0.641
283	1240	21.00	0.387	0.340	0.0349	0.612	0.573	0.029
283	1241	21.00	0.359	0.299	0.0337	0.570	0.531	0.015
283	1242	20.80	0.346	0.280	0.0338	0.576	0.538	0.019
283	1243	20.80	0.344	0.278	0.0346	0.600	0.560	0.015
283	1244	20.80	0.348	0.283	0.0379	0.699	0.653	0.097
283	1245	20.90	0.359	0.299	0.0482	1.251	1.177	0.845
283	1246	21.10	0.387	0.340	0.0346	0.600	0.558	0.029
283	1247	21.10	0.363	0.305	0.0325	0.543	0.507	0.015
283	1248	21.10	0.346	0.281	0.0360	0.668	0.626	0.165
283	1249	21.20	0.355	0.294	0.0327	0.549	0.509	0.029
283	1250	21.40	0.352	0.289	0.0332	0.555	0.515	0.092
283	1251	21.50	0.354	0.291	0.0308	0.477	0.442	0.015
283	1252	21.50	0.336	0.268	0.0312	0.480	0.442	0.019
283	1253	21.40	0.332	0.263	0.0308	0.460	0.425	0.015
283	1254	21.40	0.330	0.260	0.0312	0.441	0.405	0.015
283	1255	21.30	0.330	0.260	0.0321	0.451	0.414	0.029
283	1256	21.30	0.336	0.268	0.0330	0.466	0.429	0.024
283	1257	21.30	0.342	0.275	0.0347	0.498	0.458	0.034

HII SUNLIGHT INTENSITY STUDY: USEPA CONTRACT NO. 68-02-2258 LUNAR DATE: 10-10-75 JULIAN DATE: 75283

JULIAN DATE	TIME (EST)	TEMP (°C)	NOB (PPM)	K1B (1/MIN)	UV (LANGLEYS/MIN)	TSR (LANGLEYS/MIN)	395 (LANGLEYS/MIN)	VIP (LANGLEYS/MIN)
283	1258	21.30	0.350	0.286	0.0363	0.529	0.487	0.049
283	1259	21.10	0.361	0.302	0.0457	0.967	0.903	0.671
283	1300	21.30	0.397	0.356	0.0474	1.059	0.987	0.855
283	1301	21.30	0.413	0.382	0.0479	1.069	0.998	0.875
283	1302	21.30	0.419	0.392	0.0483	1.065	0.996	0.870
283	1303	21.40	0.419	0.392	0.0482	1.062	0.993	0.855
283	1304	21.40	0.419	0.392	0.0490	1.086	1.015	0.860
283	1305	21.30	0.419	0.392	0.0490	1.098	1.029	0.845
283	1306	21.40	0.419	0.392	0.0498	1.135	1.064	0.855
283	1307	21.40	0.421	0.395	0.0501	1.162	1.091	0.850
283	1308	21.40	0.423	0.399	0.0501	1.173	1.100	0.850
283	1309	21.40	0.425	0.402	0.0477	1.075	1.007	0.709
283	1310	21.60	0.417	0.369	0.0482	1.099	1.029	0.724
283	1311	21.60	0.411	0.378	0.0482	1.146	1.071	0.777
283	1313	21.80	0.415	0.385	0.0390	0.705	0.646	0.190
283	1314	21.70	0.403	0.365	0.0452	1.143	1.073	0.811
283	1315	21.60	0.403	0.365	0.0426	0.983	0.923	0.622
283	1316	21.80	0.401	0.362	0.0428	0.974	0.934	0.641
283	1317	22.10	0.397	0.356	0.0416	1.018	0.951	0.743
283	1318	22.30	0.395	0.353	0.0412	1.011	0.949	0.739
283	1319	22.20	0.387	0.340	0.0363	0.720	0.675	0.364
283	1320	22.00	0.375	0.322	0.0417	1.027	0.960	0.777
283	1321	21.80	0.383	0.334	0.0322	0.480	0.442	0.034
283	1322	21.60	0.354	0.291	0.0359	0.662	0.608	0.384
283	1323	21.50	0.350	0.286	0.0347	0.567	0.520	0.126
283	1324	21.60	0.365	0.308	0.0426	1.023	0.956	0.807
283	1325	21.80	0.383	0.334	0.0406	0.859	0.796	0.432
283	1326	21.80	0.369	0.343	0.0417	0.887	0.827	0.588
283	1327	21.90	0.399	0.359	0.0434	0.995	0.927	0.782
283	1328	21.90	0.403	0.365	0.0420	0.876	0.819	0.554
283	1329	22.10	0.401	0.362	0.0433	0.976	0.912	0.816
283	1330	22.30	0.403	0.366	0.0432	0.923	0.863	0.768
283	1331	22.30	0.405	0.369	0.0446	0.997	0.929	0.836
283	1332	22.40	0.409	0.375	0.0429	0.874	0.816	0.573
283	1333	22.40	0.405	0.369	0.0440	0.973	0.907	0.807
283	1334	22.30	0.401	0.362	0.0437	0.967	0.903	0.807
283	1335	22.40	0.405	0.369	0.0433	0.959	0.896	0.792
283	1336	22.40	0.403	0.366	0.0445	1.003	0.936	0.860
283	1337	22.40	0.409	0.375	0.0447	1.005	0.936	0.870
283	1338	22.40	0.413	0.382	0.0446	0.985	0.920	0.870
283	1339	22.40	0.411	0.379	0.0436	0.944	0.883	0.836
283	1340	22.80	0.409	0.376	0.0436	0.952	0.892	0.865
283	1341	22.80	0.407	0.372	0.0435	0.956	0.894	0.855
283	1342	22.70	0.407	0.372	0.0436	0.959	0.896	0.845
283	1343	22.60	0.409	0.376	0.0436	0.964	0.900	0.850
283	1344	22.80	0.411	0.379	0.0433	0.955	0.892	0.841
283	1345	22.90	0.409	0.376	0.0436	0.964	0.900	0.850
283	1346	22.90	0.407	0.372	0.0431	0.947	0.885	0.841
283	1347	22.60	0.409	0.376	0.0427	0.931	0.869	0.821
283	1348	22.40	0.409	0.375	0.0429	0.947	0.885	0.850
283	1349	22.30	0.409	0.375	0.0426	0.941	0.878	0.850
283	1350	22.30	0.407	0.372	0.0425	0.946	0.885	0.855

RTI SUNLIGHT INTENSITY STUDY: USEPA CONTRACT NO. 68-02-2258 LUNAR DATE: 10-10-75 JULIAN DATE: 75283

JULIAN DATE	TIME (EST)	TEMP (°C)	NOB (PPM)	NIB (1/MIN)	UV (LANGLEYS/MIN)	TSR (LANGLEYS/MIN)	395 (LANGLEYS/MIN)	NIP (LANGLEYS/MIN)
283	1351	22.30	0.407	0.372	0.0420	0.943	0.881	0.845
283	1352	22.30	0.405	0.369	0.0415	0.934	0.872	0.841
283	1353	22.50	0.401	0.362	0.0408	0.914	0.854	0.836
283	1354	22.60	0.401	0.362	0.0403	0.905	0.850	0.831
283	1355	22.90	0.399	0.359	0.0401	0.902	0.845	0.816
283	1356	23.00	0.397	0.356	0.0396	0.884	0.827	0.782
283	1357	22.90	0.395	0.353	0.0401	0.910	0.850	0.811
283	1358	22.80	0.397	0.356	0.0388	0.836	0.785	0.729
283	1359	22.80	0.395	0.353	0.0395	0.860	0.805	0.782
283	1400	22.40	0.397	0.356	0.0395	0.845	0.790	0.739
283	1401	22.40	0.397	0.356	0.0401	0.896	0.841	0.816
283	1402	22.40	0.401	0.362	0.0395	0.877	0.823	0.797
283	1403	22.30	0.399	0.359	0.0392	0.868	0.812	0.787
283	1404	22.30	0.397	0.356	0.0397	0.895	0.838	0.841
283	1405	22.20	0.395	0.353	0.0399	0.908	0.852	0.850
283	1406	22.30	0.399	0.359	0.0399	0.916	0.861	0.860
283	1407	22.30	0.401	0.362	0.0401	0.928	0.872	0.870
283	1408	22.40	0.399	0.359	0.0398	0.928	0.872	0.855
283	1409	22.60	0.399	0.359	0.0396	0.935	0.881	0.841
283	1410	22.60	0.397	0.356	0.0395	0.944	0.889	0.845
283	1411	23.00	0.399	0.359	0.0391	0.947	0.892	0.836
283	1412	23.10	0.401	0.363	0.0384	0.922	0.867	0.807
283	1413	23.30	0.397	0.356	0.0380	0.911	0.858	0.802
283	1414	23.30	0.395	0.353	0.0373	0.884	0.832	0.768
283	1415	23.40	0.391	0.347	0.0361	0.832	0.781	0.714
283	1416	23.50	0.385	0.338	0.0346	0.762	0.717	0.612
283	1417	23.50	0.381	0.332	0.0355	0.841	0.788	0.734
283	1418	23.30	0.381	0.332	0.0352	0.827	0.777	0.724
283	1419	23.50	0.379	0.329	0.0312	0.529	0.496	0.228
283	1420	23.60	0.371	0.317	0.0347	0.770	0.723	0.675
283	1421	23.50	0.365	0.309	0.0295	0.395	0.367	0.107
283	1422	23.30	0.359	0.300	0.0349	0.789	0.741	0.777
283	1423	23.00	0.365	0.308	0.0351	0.800	0.750	0.787
283	1424	22.70	0.379	0.329	0.0349	0.798	0.748	0.767
283	1425	22.80	0.381	0.332	0.0346	0.786	0.737	0.787
283	1426	22.80	0.381	0.332	0.0345	0.797	0.750	0.802
283	1427	22.70	0.377	0.326	0.0341	0.786	0.739	0.792
283	1428	22.70	0.375	0.323	0.0336	0.774	0.730	0.787
283	1429	22.60	0.375	0.323	0.0331	0.759	0.715	0.763
283	1430	22.60	0.373	0.320	0.0330	0.758	0.712	0.768
283	1431	22.90	0.371	0.317	0.0332	0.759	0.715	0.777
283	1432	23.10	0.369	0.314	0.0332	0.756	0.710	0.777
283	1433	23.10	0.371	0.317	0.0333	0.755	0.710	0.787
283	1434	23.30	0.373	0.320	0.0332	0.753	0.706	0.787
283	1435	23.40	0.373	0.320	0.0330	0.749	0.701	0.777
283	1436	23.40	0.375	0.323	0.0327	0.741	0.695	0.777
283	1437	23.20	0.373	0.320	0.0325	0.738	0.692	0.782
283	1438	23.20	0.369	0.314	0.0325	0.744	0.701	0.787
283	1439	23.20	0.369	0.314	0.0330	0.762	0.719	0.811
283	1440	23.30	0.373	0.320	0.0327	0.758	0.712	0.797
283	1441	23.40	0.375	0.323	0.0325	0.749	0.701	0.787
283	1442	23.50	0.373	0.320	0.0320	0.737	0.692	0.777

NTI SUNLIGHT INTENSITY STUDY: USEPA CONTRACT NO. 68-02-2258 LUNAR DATE: 10-10-75 JULIAN DATE: 75283

JULIAN DATE	TIME (EST)	TEMP (°C)	ADB (PPM)	KIB (I/MIN)	UV (LANGLEYS/MIN)	TSR (LANGLEYS/MIN)	395 (LANGLEYS/MIN)	NIP (LANGLEYS/MIN)
283	1443	23.50	0.371	0.317	0.0316	0.720	0.677	0.758
283	1444	23.40	0.367	0.311	0.0314	0.716	0.670	0.758
283	1445	23.40	0.365	0.309	0.0312	0.708	0.664	0.748
283	1446	23.10	0.367	0.311	0.0314	0.726	0.679	0.768
283	1447	23.10	0.369	0.314	0.0316	0.738	0.692	0.782
283	1448	22.90	0.369	0.314	0.0314	0.740	0.695	0.773
283	1449	22.80	0.367	0.311	0.0311	0.741	0.697	0.758
283	1450	22.80	0.365	0.308	0.0309	0.744	0.699	0.753
283	1451	22.90	0.365	0.308	0.0306	0.749	0.704	0.768
283	1452	23.00	0.365	0.308	0.0303	0.750	0.706	0.763
283	1453	23.20	0.363	0.306	0.0300	0.747	0.704	0.753
283	1454	23.40	0.359	0.300	0.0295	0.738	0.695	0.734
283	1455	23.50	0.359	0.300	0.0284	0.684	0.644	0.671
283	1456	23.40	0.352	0.289	0.0273	0.615	0.577	0.510
283	1457	23.40	0.346	0.281	0.0245	0.364	0.338	0.063
283	1458	23.40	0.328	0.259	0.0265	0.552	0.515	0.418
283	1459	23.50	0.324	0.254	0.0254	0.523	0.489	0.335
283	1500	23.40	0.330	0.261	0.0260	0.629	0.588	0.603
283	1501	23.50	0.332	0.264	0.0259	0.629	0.586	0.612
283	1502	23.50	0.332	0.264	0.0230	0.370	0.343	0.131
283	1503	23.40	0.322	0.251	0.0243	0.484	0.449	0.321
283	1504	23.10	0.310	0.237	0.0254	0.592	0.551	0.598
283	1505	23.10	0.316	0.244	0.0251	0.541	0.504	0.496
283	1506	22.90	0.326	0.256	0.0260	0.609	0.571	0.666
283	1507	23.00	0.330	0.261	0.0262	0.623	0.584	0.700
283	1508	22.90	0.334	0.266	0.0260	0.618	0.580	0.705
283	1509	22.80	0.336	0.268	0.0255	0.597	0.560	0.671
283	1510	22.60	0.336	0.268	0.0251	0.588	0.551	0.661
283	1511	22.60	0.330	0.261	0.0248	0.574	0.538	0.632
283	1512	22.60	0.330	0.261	0.0247	0.585	0.546	0.646
283	1513	22.60	0.324	0.253	0.0244	0.571	0.538	0.646
283	1514	22.60	0.324	0.253	0.0243	0.561	0.527	0.593
283	1515	22.70	0.322	0.251	0.0243	0.582	0.546	0.637
283	1516	22.70	0.322	0.251	0.0244	0.597	0.560	0.656
283	1517	22.80	0.322	0.251	0.0243	0.597	0.560	0.656
283	1522	22.90	0.316	0.244	0.0227	0.565	0.531	0.564
283	1523	22.90	0.312	0.239	0.0229	0.597	0.562	0.622
283	1524	22.80	0.310	0.237	0.0227	0.591	0.555	0.603
283	1525	22.70	0.308	0.234	0.0222	0.588	0.553	0.612
283	1526	22.70	0.306	0.232	0.0215	0.558	0.524	0.578
283	1527	22.80	0.308	0.234	0.0209	0.550	0.518	0.573
283	1528	22.80	0.302	0.228	0.0202	0.540	0.511	0.573
283	1529	23.00	0.296	0.221	0.0198	0.540	0.511	0.569
283	1530	23.10	0.294	0.219	0.0194	0.526	0.511	0.564
283	1531	23.30	0.290	0.215	0.0187	0.499	0.471	0.486
283	1532	23.40	0.284	0.208	0.0179	0.436	0.412	0.379
283	1533	23.50	0.276	0.200	0.0176	0.418	0.394	0.345
283	1534	23.40	0.269	0.191	0.0170	0.344	0.325	0.267
283	1535	23.50	0.271	0.193	0.0169	0.392	0.367	0.394
283	1536	23.50	0.265	0.187	0.0153	0.215	0.201	0.044
283	1641	22.70	0.146	0.086	0.0071	0.153	0.144	0.219
283	1642	22.60	0.142	0.083	0.0069	0.137	0.131	0.170

ATI SUNLIGHT INTENSITY STUDY: USEPA CONTRACT NO. 68-02-2258 LUNAR DATE: 10-10-75 JULIAN DATE: 75283

JULIAN DATE	TIME (EST)	TEMP (°C)	NOR (PPM)	K1D (1/MIN)	UV (LANGLEYS/MIN)	TSR (LANGLEYS/MIN)	395 (LANGLEYS/MIN)	VIP (LANGLEYS/MIN)
283	1643	22.60	0.140	0.082	0.0067	0.129	0.124	0.160
283	1644	22.50	0.134	0.077	0.0064	0.120	0.115	0.136
283	1645	22.40	0.130	0.075	0.0062	0.120	0.115	0.160
283	1646	22.30	0.126	0.072	0.0060	0.123	0.119	0.180
283	1647	22.30	0.124	0.071	0.0058	0.114	0.111	0.151
283	1648	22.30	0.124	0.071	0.0056	0.099	0.097	0.097
283	1649	22.10	0.118	0.067	0.0054	0.089	0.086	0.068
283	1650	22.10	0.117	0.065	0.0053	0.086	0.084	0.073
283	1651	22.10	0.113	0.063	0.0051	0.084	0.082	0.073
283	1652	22.10	0.109	0.060	0.0049	0.083	0.082	0.078
283	1653	22.00	0.107	0.059	0.0048	0.086	0.084	0.092
283	1654	22.00	0.105	0.057	0.0047	0.081	0.080	0.073
283	1655	22.00	0.103	0.056	0.0046	0.077	0.075	0.049
283	1656	21.90	0.101	0.055	0.0045	0.080	0.077	0.078
283	1657	21.90	0.099	0.054	0.0044	0.092	0.091	0.136
283	1658	21.80	0.097	0.052	0.0042	0.105	0.104	0.180
283	1659	21.60	0.095	0.051	0.0042	0.119	0.115	0.224
283	1700	21.50	0.095	0.051	0.0041	0.114	0.113	0.170
283	1701	21.30	0.095	0.051	0.0040	0.107	0.104	0.126
283	1702	21.20	0.095	0.051	0.0039	0.104	0.102	0.121
283	1703	21.20	0.093	0.050	0.0038	0.108	0.108	0.165
283	1704	21.10	0.091	0.049	0.0037	0.119	0.115	0.209
283	1705	21.10	0.089	0.047	0.0037	0.122	0.119	0.204
283	1706	21.00	0.087	0.046	0.0035	0.119	0.117	0.194
283	1707	20.90	0.087	0.046	0.0034	0.119	0.115	0.190
283	1708	20.90	0.085	0.045	0.0033	0.114	0.113	0.180
283	1709	20.90	0.083	0.044	0.0032	0.113	0.111	0.175
283	1710	20.90	0.081	0.043	0.0031	0.110	0.108	0.175
283	1711	20.90	0.081	0.043	0.0030	0.108	0.106	0.165
283	1712	21.00	0.079	0.041	0.0029	0.104	0.104	0.160
283	1713	21.00	0.077	0.040	0.0028	0.099	0.100	0.136
283	1714	21.10	0.075	0.039	0.0027	0.090	0.091	0.097
283	1715	21.10	0.075	0.039	0.0025	0.083	0.082	0.087
283	1716	21.10	0.071	0.037	0.0024	0.078	0.077	0.083
283	1717	21.10	0.069	0.035	0.0023	0.077	0.077	0.097
283	1718	21.10	0.069	0.035	0.0022	0.071	0.073	0.068
283	1719	21.10	0.067	0.034	0.0020	0.065	0.066	0.049
283	1720	21.10	0.063	0.032	0.0019	0.065	0.066	0.083
283	1721	21.10	0.063	0.032	0.0018	0.066	0.069	0.097
283	1722	21.00	0.061	0.031	0.0018	0.065	0.066	0.078
283	1723	21.00	0.059	0.030	0.0016	0.063	0.064	0.073
283	1724	21.00	0.055	0.027	0.0015	0.059	0.060	0.073
283	1725	20.90	0.053	0.026	0.0014	0.056	0.060	0.073
283	1726	20.90	0.053	0.026	0.0012	0.051	0.055	0.053
283	1727	20.80	0.049	0.024	0.0011	0.050	0.053	0.039
283	1728	20.80	0.047	0.023	0.0010	0.047	0.051	0.044
283	1729	20.70	0.045	0.022	0.0010	0.045	0.049	0.044
283	1730	20.60	0.043	0.021	0.0008	0.042	0.046	0.049
283	1731	20.60	0.041	0.020	0.0007	0.041	0.044	0.044
283	1732	20.50	0.039	0.019	0.0007	0.039	0.044	0.039
283	1733	20.50	0.038	0.018	0.0005	0.038	0.042	0.029
283	1734	20.50	0.036	0.016	0.0004	0.035	0.040	0.029

MIT SUNLIGHT INTENSITY STUDY: USEPA CONTRACT NO. 68-02-2258 LUNAR DATE: 10-10-75 JULIAN DATE: 75283

JULIAN DATE	TIME (EST)	TEMP (°C)	NOB (PPM)	KIB (1/MIN)	UV (LANGLEYS/MIN)	TSR (LANGLEYS/MIN)	395 (LANGLEYS/MIN)	NIP (LANGLEYS/MIN)
283	1735	20.40	0.032	0.014	0.0004	0.033	0.038	0.024
283	1736	20.40	0.030	0.013	0.0002	0.030	0.033	0.019
283	1737	20.30	0.028	0.012	0.0001	0.027	0.031	0.019
283	1738	20.20	0.026	0.011	0.0001	0.026	0.031	0.015
283	1739	20.10	0.024	0.010	0.0001	0.023	0.029	0.019
283	1740	20.00	0.024	0.010	0.0	0.021	0.027	0.019

RTI SUNLIGHT INTENSITY STUDY: USEPA CONTRACT NO. 68-02-2258 LUNAR DATE: 10-12-75 JULIAN DATE: 75285

JULIAN DATE	TIME (EST)	TEMP (°C)	NOB (PPM)	KIB (1/MIN)	UV (LANGLEYS/MIN)	TSR (LANGLEYS/MIN)	395 (LANGLEYS/MIN)	VIP (LANGLEYS/MIN)
285	623	10.50	0.014	0.007	0.0001	0.006	0.018	0.015
285	624	10.50	0.016	0.008	0.0001	0.008	0.020	0.019
285	625	10.50	0.018	0.009	0.0002	0.009	0.022	0.015
285	626	10.60	0.018	0.009	0.0003	0.011	0.022	0.015
285	627	10.70	0.020	0.010	0.0003	0.011	0.022	0.015
285	628	10.60	0.022	0.012	0.0004	0.011	0.024	0.015
285	629	10.60	0.022	0.012	0.0004	0.012	0.024	0.015
285	630	10.60	0.024	0.013	0.0005	0.014	0.027	0.015
285	631	10.60	0.026	0.014	0.0007	0.015	0.027	0.015
285	632	10.60	0.028	0.015	0.0007	0.017	0.029	0.015
285	633	10.60	0.030	0.016	0.0009	0.018	0.031	0.019
285	634	10.60	0.032	0.017	0.0009	0.018	0.029	0.019
285	635	10.60	0.032	0.017	0.0010	0.020	0.031	0.015
285	636	10.60	0.036	0.019	0.0011	0.021	0.033	0.019
285	637	10.60	0.036	0.019	0.0012	0.023	0.033	0.019
285	638	10.50	0.038	0.020	0.0013	0.024	0.035	0.019
285	639	10.60	0.040	0.021	0.0015	0.026	0.035	0.015
285	640	10.60	0.040	0.021	0.0015	0.026	0.035	0.015
285	641	10.60	0.044	0.024	0.0017	0.029	0.038	0.019
285	642	10.50	0.044	0.024	0.0018	0.030	0.040	0.019
285	643	10.50	0.046	0.025	0.0019	0.030	0.040	0.019
285	644	10.60	0.048	0.026	0.0020	0.032	0.042	0.015
285	645	10.50	0.050	0.027	0.0021	0.033	0.044	0.015
285	646	10.50	0.052	0.028	0.0023	0.035	0.044	0.0
285	647	10.60	0.054	0.029	0.0023	0.036	0.044	0.015
285	648	10.60	0.056	0.031	0.0024	0.038	0.046	0.019
285	649	10.70	0.060	0.033	0.0026	0.038	0.046	0.019
285	650	10.60	0.062	0.034	0.0027	0.038	0.046	0.019
285	651	10.60	0.064	0.035	0.0029	0.041	0.049	0.019
285	652	10.60	0.066	0.037	0.0030	0.042	0.051	0.019
285	655	10.50	0.068	0.038	0.0034	0.045	0.053	0.019
285	656	10.50	0.074	0.041	0.0035	0.047	0.058	0.024
285	657	10.50	0.076	0.043	0.0036	0.047	0.055	0.044
285	658	10.50	0.078	0.044	0.0037	0.050	0.060	0.053
285	659	10.50	0.080	0.045	0.0039	0.051	0.060	0.049
285	700	10.60	0.082	0.046	0.0039	0.054	0.064	0.092
285	701	10.60	0.085	0.049	0.0043	0.066	0.077	0.180
285	702	10.70	0.087	0.050	0.0042	0.072	0.082	0.199
285	703	10.70	0.091	0.053	0.0043	0.072	0.082	0.199
285	704	10.80	0.095	0.055	0.0044	0.081	0.093	0.204
285	705	10.90	0.099	0.058	0.0045	0.099	0.113	0.214
285	706	10.90	0.101	0.059	0.0045	0.114	0.126	0.214
285	707	10.90	0.103	0.061	0.0048	0.125	0.135	0.228
285	708	10.90	0.107	0.063	0.0048	0.128	0.137	0.228
285	709	11.00	0.109	0.065	0.0050	0.131	0.142	0.233
285	710	11.00	0.113	0.067	0.0052	0.135	0.146	0.194
285	711	11.10	0.115	0.069	0.0053	0.138	0.148	0.243
285	712	11.10	0.119	0.072	0.0055	0.144	0.155	0.248
285	713	11.10	0.123	0.074	0.0056	0.149	0.159	0.258
285	714	11.10	0.125	0.076	0.0058	0.153	0.164	0.262
285	715	11.20	0.127	0.077	0.0061	0.159	0.168	0.267
285	716	11.20	0.129	0.079	0.0061	0.162	0.170	0.272

RTI SUNLIGHT INTENSITY STUDY: USEPA CONTRACT NO. 68-02-2258 LUNAR DATE: 10-12-75 JULIAN DATE: 75285

JULIAN DATE	TIME (EST)	TEMP (°C)	NUB (PPM)	RIB (1/MIN)	UV (LANGLEYS/MIN)	TSR (LANGLEYS/MIN)	395 (LANGLEYS/MIN)	WIP (LANGLEYS/MIN)
285	717	11.30	0.131	0.080	0.0063	0.165	0.175	0.272
285	718	11.40	0.135	0.083	0.0065	0.171	0.181	0.282
285	719	11.40	0.137	0.084	0.0067	0.177	0.186	0.287
285	720	11.50	0.141	0.087	0.0069	0.183	0.192	0.301
285	721	11.50	0.145	0.090	0.0071	0.186	0.195	0.306
285	722	11.60	0.149	0.093	0.0072	0.191	0.199	0.311
285	723	11.60	0.151	0.095	0.0075	0.197	0.204	0.321
285	724	11.70	0.155	0.098	0.0077	0.202	0.208	0.326
285	725	11.80	0.159	0.101	0.0079	0.205	0.212	0.335
285	726	11.90	0.161	0.103	0.0080	0.209	0.215	0.340
285	727	11.90	0.165	0.106	0.0082	0.214	0.219	0.350
285	728	11.90	0.169	0.109	0.0085	0.218	0.226	0.364
285	729	12.00	0.171	0.111	0.0086	0.224	0.228	0.374
285	730	12.00	0.173	0.112	0.0088	0.227	0.232	0.384
285	731	12.10	0.175	0.114	0.0091	0.233	0.237	0.398
285	732	12.30	0.177	0.116	0.0093	0.238	0.241	0.408
285	733	12.40	0.181	0.119	0.0094	0.241	0.243	0.418
285	734	12.50	0.183	0.121	0.0096	0.247	0.250	0.428
285	735	12.60	0.185	0.122	0.0099	0.251	0.254	0.442
285	736	12.90	0.189	0.126	0.0100	0.256	0.259	0.452
285	737	13.10	0.191	0.128	0.0104	0.260	0.263	0.462
285	738	13.10	0.193	0.129	0.0105	0.265	0.265	0.471
285	739	13.30	0.197	0.133	0.0107	0.269	0.272	0.486
285	740	13.40	0.199	0.135	0.0109	0.274	0.274	0.500
285	741	13.50	0.201	0.136	0.0112	0.278	0.279	0.520
285	742	13.50	0.203	0.138	0.0114	0.281	0.283	0.539
285	743	13.70	0.205	0.140	0.0116	0.287	0.290	0.564
285	744	13.80	0.209	0.144	0.0118	0.293	0.294	0.593
285	745	13.90	0.211	0.146	0.0121	0.298	0.299	0.627
285	746	14.10	0.215	0.149	0.0123	0.302	0.301	0.671
285	747	14.30	0.217	0.151	0.0126	0.305	0.305	0.700
285	748	14.40	0.217	0.151	0.0127	0.313	0.312	0.763
285	749	14.40	0.219	0.153	0.0129	0.316	0.314	0.807
285	750	14.50	0.219	0.153	0.0132	0.320	0.319	0.811
285	751	14.60	0.217	0.151	0.0134	0.325	0.323	0.816
285	752	14.70	0.215	0.149	0.0136	0.331	0.327	0.821
285	753	14.80	0.217	0.151	0.0138	0.335	0.334	0.826
285	754	14.80	0.217	0.151	0.0141	0.338	0.336	0.831
285	755	14.90	0.219	0.153	0.0143	0.346	0.343	0.841
285	756	15.00	0.221	0.155	0.0146	0.350	0.347	0.845
285	757	15.10	0.223	0.157	0.0148	0.355	0.350	0.850
285	758	15.10	0.225	0.159	0.0150	0.358	0.354	0.850
285	759	15.20	0.227	0.161	0.0153	0.364	0.358	0.860
285	800	15.30	0.229	0.163	0.0155	0.366	0.363	0.870
285	801	15.30	0.231	0.165	0.0157	0.374	0.369	0.875
285	802	15.30	0.233	0.167	0.0159	0.379	0.374	0.879
285	803	15.40	0.237	0.171	0.0162	0.383	0.378	0.879
285	804	15.40	0.239	0.173	0.0164	0.388	0.383	0.884
285	805	15.50	0.241	0.175	0.0167	0.394	0.389	0.889
285	806	15.50	0.243	0.177	0.0168	0.398	0.392	0.894
285	807	15.50	0.245	0.179	0.0170	0.403	0.396	0.904
285	808	15.60	0.243	0.177	0.0173	0.408	0.400	0.904

RTI SUNLIGHT INTENSITY STUDY: USEPA CONTRACT NO. 68-02-2258 LUNAR DATE: 10-12-75 JULIAN DATE: 75285

JULIAN DATE	TIME (EST)	TEMP (°C)	NOB (PPM)	KIB (1/MIN)	UV (LANGLEYS/MIN)	TSK (LANGLEYS/MIN)	395 (LANGLEYS/MIN)	VIP (LANGLEYS/MIN)
285	809	15.60	0.245	0.179	0.0175	0.412	0.405	0.909
285	810	15.60	0.247	0.181	0.0176	0.418	0.409	0.914
285	811	15.70	0.247	0.181	0.0178	0.420	0.412	0.909
285	812	15.80	0.250	0.185	0.0181	0.426	0.416	0.914
285	813	15.80	0.252	0.187	0.0183	0.432	0.423	0.923
285	814	15.80	0.252	0.187	0.0186	0.436	0.425	0.928
285	815	15.90	0.254	0.189	0.0188	0.439	0.429	0.923
285	816	15.90	0.254	0.189	0.0191	0.445	0.434	0.933
285	817	15.90	0.258	0.194	0.0193	0.450	0.438	0.938
285	818	15.90	0.260	0.196	0.0195	0.454	0.442	0.933
285	819	16.00	0.262	0.198	0.0199	0.462	0.449	0.952
285	820	16.00	0.266	0.202	0.0201	0.468	0.454	0.952
285	821	16.10	0.270	0.207	0.0202	0.471	0.458	0.957
285	822	16.10	0.272	0.209	0.0205	0.475	0.460	0.957
285	823	16.20	0.272	0.209	0.0205	0.477	0.462	0.952
285	824	16.10	0.270	0.207	0.0209	0.484	0.469	0.967
285	825	16.20	0.270	0.207	0.0211	0.489	0.473	0.967
285	826	16.30	0.272	0.209	0.0214	0.495	0.478	0.977
285	827	16.40	0.274	0.211	0.0216	0.498	0.480	0.972
285	828	16.40	0.274	0.211	0.0218	0.505	0.487	0.982
285	829	16.40	0.278	0.216	0.0221	0.511	0.493	0.986
285	830	16.40	0.278	0.216	0.0223	0.516	0.498	0.986
285	831	16.50	0.280	0.218	0.0226	0.522	0.502	0.991
285	832	16.50	0.282	0.220	0.0227	0.525	0.504	0.986
285	833	16.50	0.282	0.220	0.0228	0.525	0.504	0.986
285	834	16.50	0.282	0.220	0.0232	0.534	0.513	0.996
285	835	16.60	0.284	0.223	0.0235	0.538	0.518	0.996
285	836	16.70	0.288	0.228	0.0237	0.543	0.522	1.001
285	837	16.80	0.290	0.230	0.0239	0.547	0.524	1.006
285	838	16.90	0.292	0.232	0.0240	0.552	0.529	1.006
285	839	16.90	0.294	0.235	0.0244	0.556	0.535	1.011
285	840	16.90	0.292	0.232	0.0246	0.561	0.538	1.011
285	841	17.00	0.292	0.232	0.0249	0.567	0.542	1.016
285	842	16.90	0.292	0.232	0.0251	0.571	0.546	1.020
285	843	16.90	0.296	0.237	0.0253	0.574	0.549	1.016
285	844	17.00	0.294	0.235	0.0254	0.576	0.551	1.016
285	845	17.00	0.296	0.237	0.0257	0.582	0.558	1.025
285	846	16.90	0.296	0.237	0.0258	0.585	0.560	1.025
285	847	17.00	0.298	0.240	0.0262	0.592	0.566	1.030
285	848	17.00	0.300	0.242	0.0265	0.598	0.573	1.040
285	849	17.00	0.300	0.242	0.0268	0.605	0.580	1.045
285	850	17.10	0.304	0.247	0.0269	0.606	0.580	1.045
285	851	17.10	0.304	0.247	0.0268	0.600	0.573	1.025
285	852	17.10	0.304	0.247	0.0276	0.618	0.591	1.059
285	853	17.30	0.306	0.250	0.0277	0.623	0.593	1.054
285	854	17.40	0.310	0.255	0.0279	0.626	0.597	1.059
285	855	17.40	0.308	0.252	0.0281	0.629	0.600	1.064
285	856	17.40	0.310	0.255	0.0284	0.633	0.604	1.064
285	857	17.50	0.312	0.257	0.0284	0.633	0.604	1.059
285	858	17.60	0.312	0.257	0.0289	0.642	0.613	1.074
285	859	17.70	0.314	0.260	0.0288	0.639	0.611	1.059
285	900	17.80	0.314	0.260	0.0292	0.648	0.619	1.074

KTI SUNLIGHT INTENSITY STUDY: USEPA CONTRACT NO. 68-02-2258 LUNAR DATE: 10-12-75 JULIAN DATE: 75285

JULIAN DATE	TIME (EST)	TEMP (°C)	NOB (PPM)	KIB (1/MIN)	UV (LANGLEYS/MIN)	TSR (LANGLEYS/MIN)	395 (LANGLEYS/MIN)	VIP (LANGLEYS/MIN)
285	901	17.90	0.312	0.257	0.0292	0.647	0.617	1.059
285	902	17.80	0.312	0.257	0.0295	0.651	0.622	1.064
285	903	17.80	0.314	0.260	0.0298	0.657	0.626	1.069
285	904	17.70	0.316	0.263	0.0298	0.657	0.626	1.064
285	905	17.80	0.316	0.263	0.0303	0.666	0.635	1.079
285	906	17.80	0.316	0.263	0.0303	0.666	0.635	1.074
285	907	17.80	0.316	0.263	0.0306	0.671	0.639	1.079
285	908	17.80	0.318	0.265	0.0309	0.676	0.646	1.093
285	909	17.90	0.320	0.268	0.0313	0.689	0.657	1.108
285	910	18.00	0.318	0.265	0.0314	0.690	0.657	1.103
285	911	18.20	0.318	0.265	0.0316	0.692	0.659	1.098
285	912	18.10	0.320	0.268	0.0318	0.696	0.662	1.103
285	913	18.10	0.322	0.271	0.0317	0.690	0.657	1.084
285	914	18.20	0.320	0.268	0.0321	0.699	0.666	1.096
285	915	18.30	0.320	0.268	0.0323	0.702	0.668	1.098
285	916	18.30	0.322	0.271	0.0327	0.714	0.679	1.113
285	917	18.30	0.324	0.273	0.0331	0.722	0.688	1.127
285	918	18.30	0.324	0.273	0.0332	0.726	0.692	1.127
285	919	18.30	0.326	0.276	0.0333	0.728	0.695	1.127
285	920	18.20	0.326	0.276	0.0336	0.732	0.697	1.132
285	921	18.30	0.324	0.273	0.0336	0.732	0.697	1.122
285	922	18.40	0.328	0.279	0.0341	0.741	0.706	1.132
285	923	18.30	0.328	0.279	0.0341	0.741	0.706	1.127
285	924	18.50	0.330	0.282	0.0344	0.744	0.710	1.132
285	925	18.50	0.328	0.279	0.0344	0.747	0.712	1.137
285	926	18.60	0.326	0.276	0.0346	0.752	0.717	1.137
285	927	18.60	0.326	0.276	0.0349	0.758	0.721	1.142
285	928	18.60	0.328	0.279	0.0351	0.761	0.723	1.142
285	929	18.80	0.330	0.282	0.0352	0.764	0.726	1.142
285	930	18.80	0.330	0.282	0.0357	0.773	0.735	1.152
285	931	18.90	0.330	0.282	0.0359	0.776	0.739	1.156
285	932	18.90	0.332	0.284	0.0359	0.776	0.739	1.152
285	933	18.90	0.332	0.284	0.0363	0.783	0.746	1.156
285	934	19.00	0.334	0.287	0.0363	0.785	0.746	1.156
285	935	18.90	0.334	0.287	0.0365	0.786	0.748	1.156
285	936	19.00	0.334	0.287	0.0368	0.794	0.754	1.166
285	937	18.90	0.334	0.287	0.0370	0.797	0.757	1.161
285	938	18.90	0.334	0.287	0.0371	0.797	0.759	1.161
285	939	18.90	0.334	0.287	0.0374	0.805	0.763	1.166
285	940	18.90	0.336	0.290	0.0376	0.806	0.765	1.171
285	941	19.00	0.338	0.293	0.0379	0.812	0.772	1.176
285	942	19.00	0.336	0.290	0.0380	0.817	0.777	1.176
285	943	19.10	0.336	0.290	0.0381	0.818	0.777	1.171
285	944	19.20	0.334	0.287	0.0382	0.816	0.777	1.171
285	945	19.30	0.338	0.293	0.0385	0.824	0.783	1.176
285	946	19.40	0.340	0.296	0.0387	0.829	0.785	1.176
285	947	19.30	0.340	0.296	0.0390	0.833	0.790	1.181
285	948	19.30	0.340	0.296	0.0389	0.832	0.790	1.171
285	949	19.30	0.338	0.293	0.0390	0.835	0.792	1.171
285	950	19.40	0.338	0.293	0.0393	0.839	0.796	1.176
285	951	19.40	0.340	0.296	0.0395	0.844	0.801	1.181
285	952	19.50	0.342	0.299	0.0397	0.845	0.803	1.181

MTI SUNLIGHT INTENSITY STUDY: USEPA CONTRACT NO. 68-02-2258 LUNAR DATE: 10-12-75 JULIAN DATE: 75285

JULIAN DATE	TIME (EST)	TEMP (°C)	NDB (PPM)	KIB (1/MIN)	UV (LANGLEYS/MIN)	TSR (LANGLEYS/MIN)	395 (LANGLEYS/MIN)	VIP (LANGLEYS/MIN)
285	953	19.50	0.340	0.296	0.0398	0.850	0.808	1.181
285	954	19.50	0.342	0.299	0.0398	0.848	0.805	1.171
285	955	19.50	0.342	0.299	0.0402	0.856	0.812	1.181
285	956	19.60	0.340	0.296	0.0402	0.856	0.812	1.176
285	957	19.80	0.338	0.293	0.0403	0.859	0.814	1.181
285	958	19.60	0.344	0.302	0.0404	0.860	0.816	1.176
285	959	19.70	0.342	0.299	0.0408	0.866	0.823	1.181
285	1000	19.60	0.342	0.299	0.0409	0.868	0.823	1.181
285	1001	19.60	0.342	0.299	0.0406	0.863	0.819	1.171
285	1002	19.80	0.342	0.299	0.0414	0.878	0.834	1.190
285	1003	19.90	0.346	0.305	0.0412	0.875	0.830	1.186
285	1004	19.80	0.346	0.305	0.0417	0.883	0.836	1.190
285	1005	19.90	0.344	0.302	0.0418	0.886	0.838	1.190
285	1006	19.90	0.346	0.305	0.0420	0.889	0.843	1.190
285	1007	19.80	0.346	0.305	0.0421	0.890	0.843	1.186
285	1008	19.70	0.348	0.307	0.0422	0.892	0.845	1.186
285	1009	19.60	0.350	0.310	0.0425	0.896	0.850	1.195
285	1010	19.80	0.350	0.310	0.0424	0.895	0.850	1.195
285	1011	19.90	0.348	0.307	0.0428	0.902	0.856	1.200
285	1012	20.00	0.348	0.308	0.0428	0.902	0.856	1.200
285	1013	20.10	0.348	0.308	0.0431	0.907	0.858	1.200
285	1014	20.30	0.348	0.308	0.0433	0.913	0.865	1.205
285	1015	20.30	0.350	0.311	0.0431	0.908	0.861	1.195
285	1016	20.10	0.352	0.313	0.0436	0.917	0.867	1.205
285	1017	20.00	0.352	0.313	0.0435	0.916	0.867	1.200
285	1018	20.10	0.350	0.311	0.0441	0.925	0.876	1.215
285	1019	20.20	0.350	0.311	0.0443	0.929	0.878	1.215
285	1020	20.30	0.352	0.314	0.0444	0.932	0.881	1.215
285	1021	20.20	0.354	0.316	0.0447	0.937	0.885	1.224
285	1022	20.20	0.354	0.316	0.0448	0.937	0.887	1.220
285	1023	20.00	0.356	0.319	0.0448	0.938	0.887	1.220
285	1024	20.20	0.354	0.316	0.0452	0.944	0.894	1.224
285	1025	20.30	0.354	0.317	0.0452	0.944	0.894	1.224
285	1026	20.30	0.354	0.317	0.0450	0.941	0.892	1.215
285	1027	20.30	0.354	0.317	0.0452	0.946	0.894	1.215
285	1028	20.30	0.354	0.317	0.0455	0.950	0.900	1.220
285	1029	20.40	0.354	0.317	0.0457	0.952	0.903	1.224
285	1030	20.40	0.354	0.317	0.0458	0.955	0.905	1.220
285	1031	20.50	0.354	0.317	0.0458	0.955	0.903	1.215
285	1032	20.40	0.354	0.317	0.0456	0.953	0.903	1.215
285	1033	20.50	0.356	0.320	0.0461	0.961	0.909	1.220
285	1034	20.60	0.356	0.320	0.0464	0.965	0.914	1.229
285	1035	20.70	0.358	0.323	0.0465	0.967	0.914	1.224
285	1036	20.60	0.356	0.320	0.0466	0.968	0.916	1.229
285	1045	20.50	0.360	0.326	0.0471	0.980	0.927	1.215
285	1046	20.70	0.360	0.326	0.0472	0.982	0.927	1.215
285	1047	20.80	0.356	0.323	0.0476	0.988	0.934	1.220
285	1048	20.90	0.358	0.323	0.0480	0.994	0.938	1.224
285	1049	21.00	0.360	0.326	0.0482	0.998	0.942	1.229
285	1050	21.00	0.364	0.332	0.0483	1.000	0.945	1.229
285	1051	21.20	0.362	0.329	0.0484	1.002	0.945	1.229
285	1052	21.10	0.360	0.326	0.0485	1.003	0.947	1.229

KTI SUNLIGHT INTENSITY STUDY: USEPA CONTRACT NO. 68-02-2258 LUNAR DATE: 10-12-75 JULIAN DATE: 75285

JULIAN DATE	TIME (EST)	TEMP (°C)	NOB (PPM)	KIB (I/MIN)	UV (LANGLEYS/MIN)	TSR (LANGLEYS/MIN)	395 (LANGLEYS/MIN)	VIP (LANGLEYS/MIN)
285	1053	20.90	0.362	0.329	0.0486	1.005	0.949	1.229
285	1054	20.90	0.364	0.332	0.0487	1.006	0.949	1.234
285	1055	21.00	0.364	0.332	0.0491	1.012	0.956	1.239
285	1056	20.90	0.364	0.332	0.0492	1.014	0.956	1.239
285	1057	20.90	0.364	0.332	0.0493	1.015	0.956	1.239
285	1058	20.80	0.364	0.332	0.0492	1.014	0.958	1.234
285	1059	20.60	0.362	0.329	0.0495	1.020	0.962	1.244
285	1100	20.60	0.364	0.332	0.0495	1.020	0.962	1.244
285	1101	20.70	0.364	0.332	0.0493	1.017	0.960	1.239
285	1102	20.70	0.364	0.332	0.0493	1.017	0.960	1.234
285	1103	20.80	0.362	0.329	0.0490	1.014	0.958	1.224
285	1104	21.00	0.362	0.329	0.0492	1.015	0.958	1.220
285	1105	21.00	0.362	0.329	0.0494	1.020	0.960	1.220
285	1106	21.00	0.362	0.329	0.0498	1.027	0.967	1.224
285	1107	20.90	0.364	0.332	0.0501	1.030	0.969	1.234
285	1108	20.70	0.362	0.329	0.0489	1.032	0.971	1.234
285	1109	20.70	0.364	0.332	0.0485	1.030	0.971	1.229
285	1110	20.90	0.366	0.335	0.0481	1.030	0.969	1.229
285	1111	20.80	0.364	0.332	0.0481	1.033	0.971	1.234
285	1112	20.70	0.364	0.332	0.0479	1.027	0.967	1.224
285	1113	20.80	0.362	0.329	0.0502	1.033	0.973	1.234
285	1114	20.60	0.362	0.329	0.0502	1.035	0.976	1.239
285	1115	20.60	0.362	0.329	0.0503	1.038	0.978	1.239
285	1116	20.80	0.364	0.332	0.0506	1.041	0.980	1.239
285	1117	21.00	0.364	0.332	0.0506	1.042	0.978	1.234
285	1118	21.20	0.364	0.332	0.0508	1.044	0.980	1.234
285	1119	21.10	0.362	0.329	0.0510	1.047	0.985	1.239
285	1120	20.90	0.364	0.332	0.0508	1.048	0.985	1.244
285	1121	20.90	0.366	0.335	0.0504	1.041	0.976	1.234
285	1122	20.90	0.366	0.335	0.0511	1.048	0.982	1.239
285	1123	21.00	0.364	0.332	0.0514	1.053	0.987	1.239
285	1124	21.00	0.364	0.332	0.0513	1.051	0.985	1.239
285	1125	21.10	0.366	0.335	0.0515	1.053	0.987	1.239
285	1126	21.00	0.366	0.335	0.0518	1.057	0.991	1.244
285	1127	21.10	0.368	0.338	0.0516	1.056	0.989	1.234
285	1128	21.30	0.368	0.338	0.0513	1.051	0.985	1.224
285	1129	21.40	0.366	0.335	0.0514	1.053	0.985	1.220
285	1130	21.40	0.366	0.335	0.0512	1.050	0.982	1.215
285	1131	21.20	0.366	0.335	0.0511	1.050	0.980	1.215
285	1132	21.10	0.368	0.338	0.0514	1.051	0.985	1.215
285	1133	20.90	0.366	0.335	0.0512	1.051	0.982	1.215
285	1134	20.70	0.366	0.335	0.0511	1.048	0.980	1.220
285	1135	20.80	0.366	0.335	0.0515	1.054	0.987	1.224
285	1136	20.70	0.364	0.332	0.0515	1.056	0.989	1.220
285	1137	20.80	0.366	0.335	0.0514	1.054	0.987	1.220
285	1138	21.00	0.368	0.338	0.0515	1.054	0.989	1.215
285	1139	20.90	0.366	0.335	0.0515	1.057	0.989	1.215
285	1140	20.80	0.362	0.329	0.0513	1.054	0.987	1.215
285	1141	21.00	0.362	0.329	0.0515	1.056	0.989	1.220
285	1142	21.10	0.364	0.332	0.0515	1.059	0.991	1.215
285	1143	21.30	0.364	0.332	0.0513	1.056	0.987	1.215
285	1144	21.40	0.366	0.335	0.0518	1.063	0.991	1.229

RTI SUNLIGHT INTENSITY STUDY: USEPA CONTRACT NO. 68-02-2258 LUNAR DATE: 10-12-75 JULIAN DATE: 75285

JULIAN DATE	TIME (EST)	TEMP (°C)	NOB (PPM)	KIM (I/MIN)	UV (LANGLEYS/MIN)	TSR (LANGLEYS/MIN)	395 (LANGLEYS/MIN)	VIP (LANGLEYS/MIN)
285	1145	21.40	0.364	0.332	0.0524	1.071	1.002	1.239
285	1146	21.40	0.364	0.332	0.0523	1.071	1.004	1.239
285	1147	21.60	0.364	0.332	0.0520	1.068	1.000	1.229
285	1148	21.80	0.368	0.339	0.0523	1.071	1.002	1.229
285	1149	21.60	0.368	0.339	0.0526	1.075	1.007	1.234
285	1150	21.70	0.368	0.339	0.0524	1.072	1.002	1.229
285	1151	21.60	0.366	0.335	0.0522	1.071	1.002	1.224
285	1152	21.80	0.366	0.335	0.0520	1.068	1.000	1.224
285	1153	21.60	0.366	0.335	0.0531	1.081	1.013	1.244
285	1154	21.80	0.368	0.339	0.0526	1.074	1.007	1.229
285	1155	21.80	0.370	0.342	0.0521	1.066	1.000	1.210
285	1156	21.80	0.370	0.342	0.0518	1.062	0.993	1.205
285	1157	21.90	0.364	0.332	0.0517	1.060	0.993	1.200
285	1158	21.80	0.364	0.332	0.0501	1.063	0.993	1.200
285	1159	22.00	0.364	0.332	0.0499	1.065	0.996	1.200
285	1200	22.00	0.366	0.336	0.0497	1.063	0.996	1.200
285	1201	22.10	0.368	0.339	0.0495	1.062	0.991	1.200
285	1202	22.10	0.366	0.336	0.0490	1.054	0.987	1.186
285	1203	22.20	0.364	0.333	0.0489	1.053	0.985	1.186
285	1204	22.20	0.364	0.333	0.0490	1.054	0.985	1.190
285	1205	22.10	0.364	0.333	0.0500	1.063	0.993	1.205
285	1206	22.20	0.366	0.336	0.0509	1.054	0.987	1.195
285	1207	22.20	0.370	0.342	0.0519	1.062	0.993	1.210
285	1208	22.30	0.366	0.336	0.0523	1.068	1.000	1.220
285	1209	22.10	0.366	0.336	0.0521	1.066	0.996	1.220
285	1210	22.10	0.366	0.336	0.0522	1.068	0.998	1.215
285	1211	22.00	0.366	0.336	0.0523	1.069	1.000	1.220
285	1212	21.80	0.366	0.335	0.0523	1.069	0.998	1.220
285	1213	21.90	0.366	0.336	0.0523	1.069	1.000	1.215
285	1214	21.90	0.364	0.332	0.0519	1.065	0.993	1.210
285	1215	21.90	0.364	0.332	0.0514	1.056	0.987	1.200
285	1216	22.00	0.364	0.332	0.0513	1.057	0.989	1.205
285	1217	21.90	0.364	0.332	0.0512	1.056	0.987	1.210
285	1218	21.90	0.364	0.332	0.0499	1.062	0.993	1.210
285	1219	22.10	0.364	0.332	0.0501	1.068	0.998	1.215
285	1220	22.10	0.362	0.329	0.0496	1.062	0.993	1.205
285	1221	22.10	0.362	0.329	0.0490	1.050	0.982	1.190
285	1222	22.00	0.362	0.329	0.0494	1.056	0.987	1.195
285	1223	22.20	0.364	0.333	0.0480	1.036	0.969	1.171
285	1224	22.40	0.360	0.326	0.0485	1.041	0.973	1.186
285	1225	22.40	0.360	0.326	0.0496	1.057	0.987	1.200
285	1226	22.40	0.362	0.330	0.0492	1.050	0.982	1.195
285	1227	22.50	0.362	0.330	0.0479	1.027	0.958	1.161
285	1228	22.60	0.360	0.327	0.0480	1.027	0.960	1.166
285	1229	22.40	0.358	0.323	0.0480	1.027	0.958	1.166
285	1230	22.40	0.356	0.320	0.0490	1.041	0.971	1.190
285	1231	22.50	0.360	0.326	0.0492	1.051	0.980	1.210
285	1232	22.40	0.360	0.336	0.0487	1.048	0.978	1.210
285	1233	22.60	0.364	0.333	0.0484	1.042	0.973	1.205
285	1234	22.80	0.364	0.333	0.0488	1.044	0.973	1.205
285	1235	22.80	0.362	0.330	0.0488	1.044	0.973	1.205
285	1236	22.50	0.362	0.330	0.0493	1.053	0.980	1.220

MII SUNLIGHT INTENSITY STUDY: USEPA CONTRACT NO. 68-02-2258 LUNAR DATE: 10-12-75 JULIAN DATE: 75285

JULIAN DATE	TIME (EST)	TEMP (°C)	NOb (PPM)	Kib (1/MIN)	UV (LANGLEYS/MIN)	TSH (LANGLEYS/MIN)	395 (LANGLEYS/MIN)	NIP (LANGLEYS/MIN)
285	1237	22.50	0.364	0.333	0.0510	1.053	0.980	1.220
285	1238	22.50	0.366	0.336	0.0512	1.054	0.982	1.224
285	1239	22.40	0.364	0.333	0.0506	1.057	0.985	1.234
285	1240	22.30	0.364	0.333	0.0509	1.054	0.982	1.224
285	1241	22.10	0.364	0.333	0.0501	1.048	0.978	1.220
285	1242	22.30	0.364	0.333	0.0507	1.047	0.976	1.220
285	1243	22.30	0.362	0.329	0.0507	1.047	0.976	1.224
285	1244	22.60	0.362	0.330	0.0506	1.047	0.976	1.224
285	1245	22.90	0.362	0.330	0.0504	1.044	0.973	1.215
285	1246	22.60	0.362	0.330	0.0504	1.044	0.971	1.220
285	1247	22.80	0.362	0.330	0.0502	1.042	0.971	1.224
285	1248	22.70	0.362	0.330	0.0477	1.036	0.969	1.215
285	1249	22.60	0.360	0.327	0.0475	1.024	0.956	1.200
285	1250	22.80	0.358	0.324	0.0480	1.027	0.958	1.205
285	1251	22.70	0.358	0.324	0.0486	1.029	0.958	1.205
285	1252	22.50	0.360	0.326	0.0492	1.027	0.958	1.210
285	1253	22.40	0.362	0.330	0.0493	1.029	0.962	1.220
285	1254	22.60	0.360	0.327	0.0502	1.042	0.971	1.234
285	1255	22.80	0.364	0.333	0.0502	1.042	0.971	1.239
285	1256	22.60	0.364	0.333	0.0489	1.024	0.954	1.210
285	1257	22.80	0.360	0.327	0.0487	1.021	0.951	1.205
285	1258	22.90	0.358	0.324	0.0496	1.032	0.960	1.224
285	1259	22.90	0.362	0.330	0.0491	1.026	0.956	1.220
285	1300	22.80	0.362	0.330	0.0491	1.026	0.956	1.220
285	1301	22.60	0.360	0.327	0.0495	1.030	0.958	1.224
285	1302	22.80	0.362	0.330	0.0490	1.026	0.954	1.220
285	1303	22.90	0.362	0.330	0.0483	1.012	0.942	1.210
285	1304	22.90	0.362	0.330	0.0480	1.008	0.938	1.210
285	1305	23.00	0.362	0.330	0.0489	1.021	0.951	1.229
285	1306	22.90	0.360	0.327	0.0488	1.020	0.951	1.234
285	1307	22.60	0.360	0.327	0.0485	1.014	0.945	1.224
285	1308	22.40	0.360	0.326	0.0482	1.012	0.942	1.224
285	1309	22.30	0.358	0.323	0.0484	1.014	0.942	1.229
285	1310	22.40	0.360	0.326	0.0488	1.020	0.949	1.239
285	1311	22.60	0.362	0.330	0.0486	1.015	0.947	1.234
285	1312	22.60	0.362	0.330	0.0482	1.011	0.940	1.215
285	1313	22.70	0.360	0.327	0.0481	1.009	0.940	1.229
285	1314	22.90	0.360	0.327	0.0478	1.005	0.936	1.229
285	1315	23.30	0.358	0.324	0.0476	1.000	0.929	1.215
285	1316	23.30	0.358	0.324	0.0477	1.000	0.931	1.224
285	1317	23.30	0.358	0.324	0.0474	0.997	0.927	1.220
285	1318	23.40	0.362	0.330	0.0472	0.992	0.923	1.224
285	1319	23.60	0.360	0.327	0.0472	0.992	0.925	1.229
285	1320	23.50	0.362	0.330	0.0476	1.000	0.929	1.244
285	1321	23.40	0.362	0.330	0.0477	1.002	0.931	1.254
285	1322	23.40	0.362	0.330	0.0477	1.000	0.929	1.249
285	1323	23.20	0.362	0.330	0.0477	1.000	0.931	1.259
285	1324	22.90	0.360	0.336	0.0474	0.995	0.925	1.249
285	1325	22.80	0.362	0.330	0.0474	0.995	0.925	1.249
285	1326	22.80	0.364	0.333	0.0471	0.989	0.920	1.244
285	1327	22.60	0.362	0.330	0.0466	0.982	0.914	1.234
285	1328	22.50	0.362	0.330	0.0463	0.976	0.907	1.234

RTI SUNLIGHT INTENSITY STUDY: USEPA CONTRACT NO. 68-02-2258 LUNAR DATE: 10-12-75 JULIAN DATE: 75285

JULIAN DATE	TIME (EST)	TEMP (°C)	NOR (PPM)	KIR (1/MIN)	UV (LANGLEYS/MIN)	TSR (LANGLEYS/MIN)	395 (LANGLEYS/MIN)	VIP (LANGLEYS/MIN)
285	1329	22.80	0.360	0.327	0.0462	0.974	0.907	1.234
285	1330	23.10	0.358	0.324	0.0461	0.973	0.905	1.234
285	1331	23.10	0.358	0.324	0.0460	0.973	0.905	1.239
285	1332	23.00	0.358	0.324	0.0460	0.973	0.905	1.239
285	1333	23.10	0.356	0.321	0.0461	0.976	0.907	1.244
285	1334	23.20	0.360	0.327	0.0460	0.973	0.905	1.249
285	1335	23.10	0.360	0.327	0.0461	0.971	0.905	1.254
285	1336	23.40	0.360	0.327	0.0460	0.973	0.905	1.254
285	1337	23.40	0.360	0.327	0.0456	0.965	0.898	1.244
285	1338	23.50	0.358	0.324	0.0454	0.962	0.896	1.244
285	1339	23.20	0.358	0.324	0.0452	0.958	0.894	1.244
285	1340	23.20	0.358	0.324	0.0450	0.953	0.887	1.239
285	1341	23.10	0.356	0.321	0.0447	0.950	0.887	1.239
285	1342	23.10	0.356	0.321	0.0447	0.950	0.887	1.244
285	1343	23.30	0.356	0.321	0.0442	0.944	0.881	1.234
285	1344	23.40	0.354	0.318	0.0442	0.943	0.881	1.239
285	1345	23.40	0.354	0.318	0.0437	0.935	0.874	1.224
285	1346	23.40	0.354	0.318	0.0434	0.931	0.867	1.220
285	1347	23.40	0.352	0.315	0.0429	0.922	0.861	1.215
285	1348	23.50	0.352	0.315	0.0432	0.926	0.863	1.224
285	1349	23.10	0.352	0.315	0.0431	0.928	0.863	1.224
285	1350	23.10	0.354	0.316	0.0431	0.925	0.861	1.224
285	1351	23.00	0.356	0.321	0.0433	0.926	0.863	1.234
285	1352	23.00	0.354	0.318	0.0433	0.926	0.863	1.239
285	1353	22.90	0.354	0.318	0.0430	0.922	0.858	1.234
285	1354	22.90	0.352	0.315	0.0428	0.920	0.856	1.239
285	1355	23.00	0.354	0.318	0.0428	0.919	0.856	1.239
285	1356	23.10	0.356	0.321	0.0425	0.913	0.850	1.229
285	1357	23.30	0.354	0.318	0.0424	0.911	0.847	1.234
285	1358	23.30	0.352	0.315	0.0421	0.907	0.845	1.229
285	1359	23.10	0.350	0.312	0.0419	0.902	0.838	1.220
285	1400	23.20	0.350	0.312	0.0414	0.896	0.834	1.215
285	1401	23.30	0.352	0.315	0.0411	0.889	0.827	1.210
285	1402	23.20	0.348	0.309	0.0407	0.884	0.823	1.205
285	1403	23.10	0.346	0.306	0.0403	0.877	0.816	1.195
285	1404	23.20	0.344	0.303	0.0401	0.872	0.812	1.190
285	1405	23.10	0.344	0.303	0.0398	0.866	0.808	1.186
285	1406	23.10	0.344	0.303	0.0398	0.865	0.805	1.190
285	1407	23.10	0.342	0.300	0.0397	0.865	0.808	1.195
285	1408	23.10	0.344	0.303	0.0394	0.859	0.801	1.186
285	1409	23.30	0.342	0.300	0.0392	0.854	0.796	1.186
285	1410	23.50	0.342	0.300	0.0390	0.851	0.794	1.186
285	1411	23.70	0.342	0.300	0.0387	0.848	0.792	1.181
285	1412	23.90	0.340	0.298	0.0389	0.850	0.792	1.190
285	1413	23.80	0.340	0.298	0.0389	0.850	0.792	1.195
285	1414	23.60	0.338	0.295	0.0387	0.847	0.790	1.190
285	1415	23.50	0.340	0.297	0.0389	0.850	0.792	1.205
285	1416	23.50	0.342	0.300	0.0386	0.845	0.788	1.195
285	1417	23.40	0.342	0.300	0.0384	0.839	0.783	1.195
285	1418	23.10	0.340	0.297	0.0385	0.841	0.785	1.200
285	1419	23.00	0.340	0.297	0.0382	0.836	0.779	1.200
285	1420	22.90	0.342	0.300	0.0378	0.830	0.774	1.195

RTI SUNLIGHT INTENSITY STUDY: USEPA CONTRACT NO. 68-02-2258 LUNAR DATE: 10-12-75 JULIAN DATE: 75285

JULIAN DATE	TIME (EST)	TEMP (°C)	NOB (PPM)	KIB (1/MIN)	UV (LANGLEYS/MIN)	TSR (LANGLEYS/MIN)	395 (LANGLEYS/MIN)	VIP (LANGLEYS/MIN)
285	1421	23.00	0.342	0.300	0.0374	0.824	0.768	1.186
285	1422	23.10	0.340	0.297	0.0374	0.821	0.765	1.190
285	1423	23.50	0.338	0.295	0.0375	0.824	0.770	1.195
285	1424	23.60	0.338	0.295	0.0374	0.824	0.770	1.205
285	1425	23.60	0.340	0.297	0.0374	0.823	0.768	1.200
285	1426	23.70	0.342	0.300	0.0371	0.817	0.763	1.195
285	1427	23.50	0.340	0.297	0.0370	0.814	0.761	1.205
285	1428	23.40	0.340	0.297	0.0367	0.809	0.757	1.200
285	1429	23.40	0.336	0.292	0.0364	0.805	0.752	1.195
285	1430	23.40	0.338	0.295	0.0363	0.803	0.750	1.200
285	1431	23.40	0.338	0.295	0.0359	0.797	0.746	1.190
285	1432	23.60	0.336	0.292	0.0358	0.795	0.743	1.186
285	1433	23.70	0.334	0.289	0.0355	0.789	0.737	1.181
285	1434	23.80	0.334	0.289	0.0353	0.786	0.735	1.186
285	1435	23.90	0.334	0.289	0.0351	0.783	0.730	1.181
285	1436	24.00	0.334	0.289	0.0349	0.780	0.728	1.181
285	1437	23.80	0.332	0.286	0.0348	0.776	0.723	1.181
285	1438	23.60	0.332	0.286	0.0346	0.774	0.721	1.181
285	1439	23.50	0.330	0.283	0.0344	0.770	0.717	1.171
285	1440	23.40	0.332	0.286	0.0338	0.761	0.708	1.161
285	1441	23.40	0.332	0.286	0.0334	0.752	0.699	1.152
285	1442	23.20	0.328	0.281	0.0332	0.747	0.695	1.147
285	1443	23.40	0.326	0.278	0.0329	0.741	0.692	1.147
285	1444	23.30	0.322	0.273	0.0325	0.737	0.686	1.137
285	1445	23.50	0.324	0.275	0.0319	0.723	0.675	1.127
285	1446	23.60	0.322	0.273	0.0318	0.723	0.673	1.122
285	1447	23.50	0.320	0.270	0.0318	0.720	0.670	1.127
285	1448	23.60	0.316	0.267	0.0318	0.722	0.670	1.137
285	1449	23.60	0.316	0.265	0.0319	0.722	0.673	1.142
285	1450	23.40	0.318	0.267	0.0319	0.722	0.673	1.147
285	1451	23.40	0.322	0.273	0.0317	0.719	0.668	1.147
285	1452	23.50	0.322	0.273	0.0314	0.713	0.664	1.142
285	1453	23.40	0.320	0.270	0.0311	0.708	0.659	1.142
285	1454	23.50	0.318	0.267	0.0308	0.704	0.653	1.137
285	1455	23.40	0.318	0.267	0.0306	0.701	0.650	1.137
285	1456	23.50	0.316	0.267	0.0306	0.699	0.648	1.142
285	1457	23.40	0.318	0.267	0.0302	0.693	0.644	1.132
285	1458	23.30	0.316	0.265	0.0299	0.686	0.637	1.127
285	1459	23.10	0.316	0.265	0.0297	0.683	0.633	1.127
285	1500	23.10	0.314	0.262	0.0296	0.681	0.633	1.137
285	1501	23.30	0.314	0.262	0.0295	0.681	0.633	1.137
285	1502	23.40	0.312	0.260	0.0293	0.675	0.628	1.137
285	1503	23.40	0.310	0.257	0.0288	0.665	0.617	1.122
285	1504	23.30	0.310	0.257	0.0287	0.662	0.617	1.127
285	1505	23.30	0.308	0.254	0.0286	0.662	0.615	1.132
285	1506	23.30	0.310	0.257	0.0284	0.660	0.613	1.132
285	1507	23.50	0.310	0.257	0.0284	0.659	0.613	1.137
285	1508	23.60	0.306	0.252	0.0282	0.656	0.608	1.132
285	1509	23.60	0.308	0.255	0.0279	0.650	0.602	1.127
285	1510	23.50	0.306	0.252	0.0277	0.645	0.600	1.127
285	1511	23.50	0.308	0.254	0.0274	0.641	0.595	1.127
285	1512	23.50	0.306	0.252	0.0273	0.638	0.593	1.127

MII SUNLIGHT INTENSITY STUDY: USEPA CONTRACT NO. 68-02-2258 LUNAR DATE: 10-12-75 JULIAN DATE: 75285

JULIAN DATE	TIME (EST)	TEMP (°C)	NOB (PPM)	KIB (1/MIN)	UV (LANGLEYS/MIN)	TSR (LANGLEYS/MIN)	395 (LANGLEYS/MIN)	NIP (LANGLEYS/MIN)
285	1513	23.40	0.304	0.249	0.0271	0.635	0.588	1.132
285	1514	23.30	0.302	0.247	0.0268	0.627	0.582	1.127
285	1515	23.40	0.302	0.247	0.0267	0.626	0.582	1.122
285	1516	23.50	0.304	0.249	0.0263	0.618	0.575	1.118
285	1517	23.50	0.302	0.247	0.0262	0.617	0.571	1.122
285	1518	23.60	0.300	0.245	0.0260	0.612	0.566	1.113
285	1519	23.60	0.298	0.242	0.0257	0.609	0.562	1.113
285	1520	23.60	0.298	0.242	0.0256	0.605	0.560	1.113
285	1521	23.80	0.300	0.245	0.0253	0.598	0.553	1.108
285	1522	23.60	0.298	0.242	0.0250	0.592	0.546	1.103
285	1523	23.70	0.296	0.240	0.0247	0.585	0.540	1.098
285	1524	23.60	0.292	0.235	0.0246	0.583	0.540	1.103
285	1525	23.50	0.292	0.235	0.0243	0.577	0.533	1.098
285	1526	23.50	0.292	0.235	0.0241	0.574	0.531	1.103
285	1527	23.60	0.290	0.232	0.0238	0.567	0.524	1.093
285	1528	23.50	0.290	0.232	0.0235	0.562	0.520	1.088
285	1529	23.40	0.288	0.230	0.0235	0.561	0.520	1.098
285	1530	23.40	0.284	0.225	0.0233	0.559	0.518	1.103
285	1531	23.40	0.286	0.228	0.0232	0.555	0.513	1.098
285	1532	23.50	0.286	0.228	0.0230	0.550	0.511	1.098
285	1533	23.40	0.286	0.228	0.0226	0.541	0.502	1.088
285	1534	23.40	0.282	0.223	0.0224	0.537	0.498	1.088
285	1535	23.50	0.282	0.223	0.0223	0.537	0.498	1.088
285	1536	23.50	0.280	0.221	0.0221	0.532	0.493	1.088
285	1537	23.50	0.280	0.221	0.0218	0.526	0.489	1.084
285	1538	23.50	0.280	0.221	0.0216	0.522	0.483	1.079
285	1539	23.40	0.276	0.216	0.0213	0.516	0.478	1.074
285	1540	23.40	0.274	0.214	0.0211	0.511	0.473	1.074
285	1541	23.40	0.274	0.214	0.0209	0.505	0.469	1.069
285	1542	23.40	0.274	0.214	0.0206	0.499	0.462	1.069
285	1543	23.30	0.272	0.211	0.0203	0.495	0.458	1.059
285	1544	23.10	0.270	0.209	0.0202	0.492	0.456	1.064
285	1545	23.10	0.268	0.207	0.0199	0.487	0.449	1.059
285	1546	23.00	0.268	0.207	0.0198	0.483	0.447	1.064
285	1547	23.00	0.268	0.207	0.0196	0.478	0.442	1.059
285	1548	23.10	0.266	0.205	0.0193	0.474	0.438	1.050
285	1549	23.10	0.262	0.200	0.0190	0.468	0.434	1.045
285	1550	23.20	0.262	0.200	0.0188	0.463	0.429	1.045
285	1551	23.30	0.260	0.198	0.0185	0.457	0.423	1.040
285	1552	23.30	0.258	0.196	0.0183	0.451	0.418	1.035
285	1553	23.30	0.260	0.198	0.0181	0.447	0.414	1.030
285	1554	23.30	0.258	0.196	0.0178	0.441	0.409	1.025
285	1555	23.40	0.252	0.190	0.0175	0.435	0.403	1.020
285	1556	23.30	0.250	0.188	0.0173	0.430	0.398	1.016
285	1557	23.10	0.250	0.188	0.0171	0.426	0.394	1.011
285	1558	22.90	0.250	0.187	0.0169	0.420	0.389	1.006
285	1559	22.90	0.247	0.183	0.0167	0.415	0.385	1.001
285	1600	23.10	0.245	0.181	0.0164	0.409	0.378	0.991
285	1601	23.20	0.245	0.181	0.0162	0.405	0.374	0.991
285	1602	23.20	0.243	0.179	0.0159	0.398	0.367	0.982
285	1603	23.20	0.239	0.175	0.0157	0.392	0.363	0.977
285	1604	23.20	0.239	0.175	0.0155	0.386	0.356	0.972

MII SUNLIGHT INTENSITY STUDY: USEPA CONTRACT NO. 68-02-2258 LUNAR DATE: 10-12-75 JULIAN DATE: 75285

JULIAN DATE	TIME (EST)	TEMP (°C)	NOB (PPM)	N1b (1/MIN)	UV (LANGLEYS/MIN)	TSR (LANGLEYS/MIN)	395 (LANGLEYS/MIN)	VIP (LANGLEYS/MIN)
285	1605	23.30	0.235	0.171	0.0153	0.383	0.354	0.967
285	1606	23.30	0.235	0.171	0.0151	0.377	0.347	0.967
285	1607	23.30	0.231	0.167	0.0148	0.374	0.343	0.962
285	1608	23.20	0.233	0.169	0.0147	0.370	0.341	0.962
285	1609	23.30	0.229	0.165	0.0145	0.364	0.334	0.957
285	1610	23.20	0.227	0.163	0.0143	0.359	0.330	0.952
285	1611	23.10	0.225	0.161	0.0140	0.355	0.325	0.943
285	1612	23.10	0.223	0.159	0.0138	0.349	0.321	0.943
285	1613	23.10	0.221	0.158	0.0136	0.343	0.314	0.933
285	1614	23.00	0.217	0.154	0.0134	0.340	0.312	0.933
285	1615	23.00	0.217	0.154	0.0132	0.335	0.308	0.928
285	1616	23.00	0.215	0.152	0.0130	0.331	0.303	0.923
285	1617	23.00	0.213	0.150	0.0126	0.326	0.299	0.918
285	1618	23.00	0.211	0.148	0.0126	0.322	0.296	0.918
285	1619	22.90	0.209	0.146	0.0124	0.317	0.290	0.914
285	1620	22.90	0.205	0.143	0.0121	0.313	0.285	0.904
285	1621	22.90	0.205	0.143	0.0119	0.307	0.281	0.899
285	1622	22.90	0.201	0.139	0.0118	0.302	0.274	0.889
285	1623	22.80	0.199	0.137	0.0115	0.298	0.272	0.889
285	1624	22.80	0.197	0.135	0.0113	0.293	0.265	0.879
285	1625	22.70	0.195	0.134	0.0112	0.289	0.263	0.875
285	1626	22.80	0.189	0.128	0.0110	0.283	0.259	0.870
285	1627	22.80	0.185	0.125	0.0107	0.278	0.254	0.860
285	1628	22.70	0.183	0.123	0.0106	0.274	0.250	0.860
285	1629	22.70	0.183	0.123	0.0105	0.269	0.248	0.855
285	1630	22.60	0.179	0.120	0.0102	0.265	0.243	0.850
285	1631	22.60	0.175	0.117	0.0100	0.260	0.239	0.845
285	1632	22.60	0.175	0.117	0.0098	0.256	0.235	0.841
285	1633	22.60	0.171	0.113	0.0096	0.250	0.230	0.831
285	1634	22.50	0.169	0.112	0.0095	0.245	0.226	0.826
285	1635	22.50	0.167	0.110	0.0093	0.241	0.223	0.821
285	1636	22.50	0.163	0.107	0.0091	0.235	0.217	0.807
285	1637	22.50	0.161	0.105	0.0089	0.232	0.215	0.807
285	1638	22.50	0.159	0.103	0.0087	0.226	0.208	0.797
285	1639	22.40	0.155	0.100	0.0085	0.221	0.204	0.787
285	1640	22.40	0.153	0.099	0.0083	0.217	0.199	0.782
285	1641	22.40	0.149	0.096	0.0081	0.211	0.195	0.777
285	1642	22.30	0.147	0.094	0.0079	0.206	0.190	0.768
285	1643	22.30	0.145	0.093	0.0077	0.202	0.186	0.763
285	1644	22.30	0.143	0.091	0.0075	0.197	0.181	0.753
285	1645	22.10	0.139	0.088	0.0074	0.191	0.177	0.743
285	1646	22.10	0.135	0.085	0.0072	0.186	0.173	0.729
285	1647	22.00	0.133	0.083	0.0070	0.182	0.168	0.724
285	1648	22.00	0.129	0.081	0.0068	0.177	0.164	0.709
285	1649	22.00	0.127	0.079	0.0067	0.171	0.159	0.700
285	1650	21.90	0.125	0.078	0.0065	0.167	0.155	0.690
285	1651	21.90	0.121	0.075	0.0063	0.162	0.150	0.680
285	1652	21.90	0.117	0.072	0.0061	0.158	0.146	0.671
285	1653	21.90	0.115	0.071	0.0060	0.153	0.142	0.661
285	1654	21.80	0.113	0.069	0.0058	0.149	0.137	0.656
285	1655	21.80	0.109	0.066	0.0057	0.146	0.135	0.651
285	1656	21.70	0.105	0.064	0.0055	0.141	0.131	0.641

RTI SUNLIGHT INTENSITY STUDY: USEPA CONTRACT NO. 68-02-2258 LUNAR DATE: 10-12-75 JULIAN DATE: 75285

JULIAN DATE	TIME (EST)	TEMP (°C)	NOM (PPM)	K1b (1/MIN)	UV (LANGLEYS/MIN)	TSR (LANGLEYS/MIN)	395 (LANGLEYS/MIN)	NIP (LANGLEYS/MIN)
285	1657	21.60	0.103	0.062	0.0053	0.135	0.126	0.627
285	1658	21.50	0.101	0.061	0.0052	0.132	0.122	0.617
285	1659	21.40	0.099	0.059	0.0050	0.128	0.117	0.612
285	1700	21.30	0.095	0.057	0.0048	0.125	0.115	0.603
285	1701	21.20	0.093	0.055	0.0048	0.122	0.113	0.598
285	1702	21.10	0.091	0.054	0.0046	0.117	0.108	0.593
285	1703	21.00	0.087	0.051	0.0044	0.113	0.106	0.583
285	1704	20.90	0.085	0.050	0.0042	0.108	0.102	0.569

KTI SUNLIGHT INTENSITY STUDY: USEPA CONTRACT NO. 68-02-2258 LUNAR DATE: 10-14-75 JULIAN DATE: 75287

JULIAN DATE	TIME (EST)	TEMP (°C)	NOR (PPM)	KIR (1/MIN)	UV (LANGLEYS/MIN)	TSR (LANGLEYS/MIN)	395 (LANGLEYS/MIN)	VIP (LANGLEYS/MIN)
287	1316	28.70	0.346	0.308	0.0439	0.944	0.885	1.113
287	1317	28.80	0.348	0.311	0.0439	0.943	0.885	1.113
287	1318	28.90	0.348	0.311	0.0434	0.938	0.881	1.108
287	1319	28.90	0.348	0.311	0.0433	0.935	0.878	1.103
287	1320	28.90	0.346	0.309	0.0428	0.926	0.869	1.088
287	1321	28.90	0.342	0.303	0.0425	0.923	0.865	1.084
287	1322	29.00	0.340	0.300	0.0424	0.920	0.863	1.079
287	1323	29.00	0.340	0.300	0.0423	0.917	0.858	1.069
287	1324	29.00	0.342	0.303	0.0424	0.920	0.861	1.079
287	1325	29.00	0.342	0.303	0.0425	0.920	0.861	1.079
287	1326	29.00	0.344	0.306	0.0422	0.914	0.856	1.079
287	1327	29.00	0.346	0.309	0.0423	0.916	0.858	1.084
287	1328	29.00	0.346	0.309	0.0419	0.908	0.852	1.079
287	1329	29.00	0.346	0.309	0.0418	0.910	0.852	1.084
287	1330	28.90	0.344	0.306	0.0419	0.910	0.854	1.093
287	1331	28.90	0.344	0.306	0.0419	0.908	0.852	1.088
287	1332	28.80	0.342	0.303	0.0416	0.904	0.847	1.088
287	1333	28.80	0.342	0.303	0.0414	0.901	0.843	1.079
287	1334	28.90	0.342	0.303	0.0413	0.898	0.841	1.074
287	1335	28.90	0.342	0.303	0.0413	0.898	0.841	1.079
287	1336	28.80	0.344	0.306	0.0411	0.895	0.838	1.084
287	1337	28.90	0.344	0.306	0.0408	0.890	0.834	1.084
287	1338	29.00	0.344	0.306	0.0408	0.890	0.834	1.084
287	1339	28.90	0.344	0.306	0.0406	0.889	0.832	1.084
287	1340	28.90	0.342	0.303	0.0405	0.887	0.832	1.084
287	1341	29.00	0.340	0.300	0.0404	0.883	0.827	1.079
287	1342	29.10	0.340	0.300	0.0402	0.880	0.825	1.079
287	1343	29.00	0.340	0.300	0.0402	0.880	0.825	1.074
287	1344	29.00	0.340	0.300	0.0401	0.878	0.823	1.079
287	1345	29.10	0.342	0.303	0.0398	0.874	0.819	1.074
287	1348	29.00	0.340	0.300	0.0390	0.860	0.805	1.054
287	1349	29.10	0.336	0.294	0.0387	0.853	0.799	1.054
287	1350	29.10	0.336	0.294	0.0385	0.848	0.794	1.050
287	1351	29.00	0.336	0.294	0.0385	0.844	0.790	1.045
287	1352	29.10	0.334	0.291	0.0382	0.842	0.790	1.045
287	1353	29.10	0.336	0.294	0.0382	0.844	0.788	1.050
287	1354	29.20	0.336	0.294	0.0382	0.845	0.790	1.054
287	1355	29.20	0.338	0.297	0.0382	0.844	0.790	1.054
287	1356	29.20	0.336	0.294	0.0382	0.844	0.788	1.059
287	1357	29.30	0.336	0.294	0.0381	0.842	0.788	1.059
287	1358	29.40	0.334	0.292	0.0379	0.838	0.785	1.054
287	1359	29.50	0.336	0.294	0.0379	0.839	0.785	1.059
287	1400	29.40	0.336	0.294	0.0379	0.838	0.783	1.059
287	1401	29.50	0.338	0.297	0.0377	0.832	0.779	1.059
287	1402	29.50	0.338	0.297	0.0374	0.826	0.777	1.054
287	1403	29.50	0.338	0.297	0.0371	0.820	0.768	1.050
287	1404	29.40	0.336	0.294	0.0368	0.815	0.763	1.045
287	1405	29.30	0.334	0.292	0.0366	0.812	0.761	1.040
287	1406	29.30	0.332	0.289	0.0358	0.809	0.759	1.045
287	1407	29.40	0.330	0.286	0.0362	0.805	0.752	1.035
287	1408	29.30	0.330	0.286	0.0360	0.802	0.750	1.035
287	1409	29.30	0.330	0.286	0.0360	0.80[illegible]	0.752	1.040

RTI SUNLIGHT INTENSITY STUDY: USEPA CONTRACT NO. 68-02-2258 LUNAR DATE: 10-14-75 JULIAN DATE: 75287

JULIAN DATE	TIME (EST)	TEMP (°C)	NOM (PPM)	KIB (1/MIN)	UV (LANGLEYS/MIN)	TSR (LANGLEYS/MIN)	395 (LANGLEYS/MIN)	NIP (LANGLEYS/MIN)
287	1410	29.30	0.330	0.286	0.0360	0.800	0.748	1.035
287	1411	29.30	0.330	0.286	0.0357	0.795	0.746	1.030
287	1412	29.40	0.330	0.286	0.0355	0.792	0.741	1.030
287	1413	29.40	0.328	0.283	0.0355	0.789	0.739	1.030
287	1414	29.50	0.328	0.283	0.0353	0.786	0.737	1.030
287	1415	29.40	0.326	0.281	0.0351	0.782	0.735	1.025
287	1416	29.40	0.328	0.283	0.0348	0.777	0.730	1.025
287	1417	29.40	0.328	0.283	0.0347	0.777	0.730	1.030
287	1418	29.50	0.326	0.281	0.0345	0.774	0.728	1.025
287	1420	29.40	0.326	0.281	0.0339	0.764	0.717	1.016
287	1421	29.40	0.326	0.281	0.0337	0.761	0.712	1.011
287	1422	29.30	0.324	0.278	0.0336	0.758	0.710	1.006
287	1423	29.40	0.320	0.272	0.0334	0.756	0.708	1.001
287	1424	29.40	0.318	0.270	0.0333	0.752	0.704	1.001
287	1425	29.40	0.320	0.272	0.0330	0.747	0.699	0.991
287	1426	29.40	0.320	0.272	0.0328	0.743	0.695	0.991
287	1427	29.30	0.320	0.272	0.0327	0.740	0.690	0.991
287	1428	29.20	0.320	0.272	0.0327	0.740	0.690	0.991
287	1429	29.00	0.322	0.275	0.0325	0.738	0.690	0.991
287	1430	29.10	0.320	0.272	0.0324	0.732	0.686	0.996
287	1431	29.10	0.318	0.270	0.0322	0.728	0.684	0.991
287	1432	29.10	0.316	0.267	0.0319	0.726	0.681	0.991
287	1433	29.10	0.316	0.267	0.0318	0.722	0.677	0.986
287	1434	29.10	0.316	0.267	0.0316	0.717	0.673	0.986
287	1435	29.20	0.316	0.267	0.0313	0.711	0.664	0.972
287	1436	29.30	0.316	0.267	0.0311	0.704	0.657	0.967
287	1437	29.40	0.314	0.264	0.0308	0.702	0.657	0.967
287	1438	29.40	0.308	0.257	0.0305	0.680	0.635	0.933
287	1439	29.40	0.306	0.254	0.0303	0.686	0.642	0.948
287	1440	29.30	0.306	0.254	0.0300	0.684	0.639	0.952
287	1441	29.40	0.304	0.252	0.0300	0.686	0.644	0.962
287	1442	29.30	0.304	0.252	0.0298	0.680	0.637	0.952
287	1443	29.40	0.306	0.254	0.0294	0.662	0.619	0.923
287	1444	29.40	0.304	0.252	0.0293	0.669	0.626	0.948
287	1445	29.40	0.302	0.249	0.0289	0.656	0.613	0.923
287	1446	29.50	0.298	0.244	0.0288	0.659	0.617	0.933
287	1447	29.40	0.298	0.244	0.0287	0.663	0.622	0.943
287	1448	29.30	0.300	0.247	0.0285	0.659	0.617	0.938
287	1449	29.30	0.298	0.244	0.0284	0.662	0.617	0.948
287	1450	29.20	0.300	0.247	0.0284	0.660	0.615	0.948
287	1451	29.30	0.300	0.247	0.0281	0.656	0.613	0.952
287	1452	29.30	0.300	0.247	0.0281	0.656	0.615	0.957
287	1453	29.30	0.298	0.244	0.0281	0.654	0.613	0.957
287	1454	29.30	0.300	0.247	0.0279	0.645	0.604	0.943
287	1455	29.30	0.296	0.242	0.0279	0.651	0.611	0.962
287	1456	29.30	0.294	0.239	0.0275	0.644	0.602	0.952
287	1458	29.40	0.294	0.239	0.0268	0.629	0.591	0.938
287	1459	29.40	0.294	0.239	0.0267	0.626	0.588	0.938
287	1500	29.50	0.292	0.237	0.0264	0.620	0.582	0.928
287	1501	29.50	0.292	0.237	0.0261	0.614	0.575	0.923
287	1502	29.70	0.290	0.235	0.0259	0.606	0.571	0.918
287	1503	29.70	0.286	0.230	0.0258	0.609	0.571	0.923

NIT SUNLIGHT INTENSITY STUDY: USEPA CONTRACT NO. 68-02-2258 LUNAR DATE: 10-14-75 JULIAN DATE: 75287

JULIAN DATE	TIME (EST)	TEMP (°C)	AOB (PPM)	K16 (1/MIN)	UV (LANGLEYS/MIN)	TSR (LANGLEYS/MIN)	395 (LANGLEYS/MIN)	VIP (LANGLEYS/MIN)
287	1504	29.60	0.284	0.227	0.0255	0.603	0.566	0.914
287	1505	29.50	0.284	0.227	0.0253	0.598	0.562	0.914
287	1506	29.60	0.284	0.227	0.0251	0.592	0.555	0.904
287	1507	29.60	0.282	0.225	0.0249	0.589	0.553	0.904
287	1508	29.60	0.284	0.227	0.0247	0.586	0.551	0.909
287	1509	29.60	0.282	0.225	0.0246	0.583	0.549	0.909
287	1510	29.50	0.282	0.225	0.0245	0.576	0.540	0.894
287	1511	29.50	0.282	0.225	0.0240	0.570	0.535	0.894
287	1512	29.50	0.278	0.220	0.0239	0.570	0.535	0.894
287	1513	29.50	0.276	0.218	0.0236	0.562	0.529	0.889
287	1514	29.50	0.276	0.218	0.0233	0.556	0.522	0.884
287	1515	29.50	0.272	0.213	0.0231	0.550	0.518	0.875
287	1516	29.40	0.272	0.213	0.0230	0.547	0.513	0.875
287	1517	29.30	0.272	0.213	0.0228	0.546	0.513	0.879
287	1518	29.30	0.270	0.211	0.0226	0.541	0.509	0.879
287	1519	29.20	0.270	0.211	0.0224	0.537	0.504	0.875
287	1520	29.20	0.268	0.209	0.0221	0.529	0.498	0.865
287	1521	29.30	0.266	0.207	0.0219	0.525	0.491	0.855
287	1522	29.30	0.264	0.204	0.0218	0.523	0.491	0.855
287	1523	29.30	0.262	0.202	0.0216	0.519	0.487	0.850
287	1524	29.30	0.262	0.202	0.0214	0.516	0.485	0.850
287	1525	29.30	0.262	0.202	0.0211	0.510	0.478	0.845
287	1526	29.20	0.262	0.202	0.0209	0.504	0.473	0.845
287	1527	29.30	0.260	0.200	0.0208	0.501	0.471	0.841
287	1528	29.20	0.256	0.196	0.0205	0.496	0.465	0.836
287	1529	29.20	0.254	0.193	0.0203	0.492	0.462	0.836
287	1530	29.10	0.254	0.193	0.0202	0.489	0.460	0.836
287	1532	29.10	0.252	0.191	0.0196	0.472	0.447	0.816
287	1533	29.00	0.250	0.189	0.0194	0.468	0.442	0.811
287	1534	29.00	0.246	0.187	0.0192	0.465	0.440	0.807
287	1535	29.00	0.246	0.185	0.0190	0.460	0.436	0.802
287	1536	29.00	0.244	0.183	0.0189	0.459	0.434	0.802
287	1537	29.00	0.242	0.181	0.0186	0.450	0.425	0.787
287	1538	28.90	0.240	0.179	0.0183	0.438	0.414	0.768
287	1539	28.90	0.240	0.179	0.0182	0.441	0.416	0.782
287	1540	28.90	0.238	0.177	0.0180	0.433	0.409	0.768
287	1541	28.90	0.238	0.177	0.0178	0.436	0.412	0.782
287	1542	28.70	0.236	0.177	0.0176	0.430	0.407	0.773
287	1543	28.70	0.236	0.175	0.0174	0.424	0.400	0.768
287	1544	28.70	0.234	0.172	0.0172	0.417	0.394	0.758
287	1545	28.80	0.230	0.169	0.0170	0.415	0.394	0.758
287	1546	28.80	0.228	0.167	0.0167	0.412	0.392	0.758
287	1547	28.80	0.228	0.167	0.0164	0.402	0.383	0.739
287	1548	28.80	0.226	0.165	0.0163	0.400	0.381	0.743
287	1549	28.80	0.224	0.163	0.0160	0.392	0.372	0.734
287	1550	28.80	0.220	0.159	0.0158	0.389	0.369	0.734
287	1551	28.80	0.216	0.155	0.0155	0.368	0.350	0.680
287	1552	28.70	0.214	0.153	0.0154	0.365	0.345	0.680
287	1553	28.50	0.212	0.151	0.0151	0.361	0.343	0.680
287	1554	28.40	0.210	0.149	0.0149	0.355	0.336	0.666
287	1555	28.50	0.210	0.149	0.0148	0.359	0.341	0.690
287	1556	28.40	0.206	0.145	0.0147	0.358	0.341	0.695

MII SUNLIGHT INTENSITY STUDY: USEPA CONTRACT NO. 68-02-2258 LUNAR DATE: 10-14-75 JULIAN DATE: 75287

JULIAN DATE	TIME (EST)	TEMP (°C)	NOB (PPM)	KIB (1/MIN)	UV (LANGLEYS/MIN)	TSR (LANGLEYS/MIN)	395 (LANGLEYS/MIN)	MIP (LANGLEYS/MIN)
287	1557	28.40	0.206	0.145	0.0145	0.355	0.336	0.690
287	1558	28.40	0.206	0.145	0.0143	0.344	0.325	0.671
287	1559	28.40	0.202	0.142	0.0141	0.340	0.321	0.666
287	1600	28.40	0.202	0.142	0.0140	0.332	0.314	0.651
287	1601	28.30	0.200	0.140	0.0137	0.326	0.310	0.641
287	1602	28.20	0.196	0.138	0.0135	0.328	0.310	0.656
287	1603	28.10	0.196	0.136	0.0133	0.319	0.303	0.641
287	1604	28.20	0.194	0.134	0.0132	0.319	0.303	0.651
287	1605	28.20	0.192	0.133	0.0129	0.313	0.296	0.641
287	1606	28.20	0.188	0.129	0.0127	0.310	0.292	0.641
287	1607	28.20	0.186	0.127	0.0126	0.305	0.290	0.641
287	1608	28.10	0.186	0.127	0.0124	0.301	0.285	0.637
287	1609	28.10	0.186	0.127	0.0122	0.296	0.281	0.627
287	1610	28.10	0.182	0.124	0.0121	0.292	0.277	0.622
287	1611	28.00	0.182	0.124	0.0118	0.283	0.270	0.607
287	1612	27.90	0.180	0.122	0.0117	0.281	0.265	0.607
287	1613	27.70	0.176	0.119	0.0115	0.280	0.265	0.612
287	1614	27.80	0.174	0.117	0.0113	0.280	0.243	0.617
287	1615	27.60	0.172	0.115	0.0113	0.278	0.263	0.622
287	1616	27.70	0.172	0.115	0.0110	0.274	0.259	0.617
287	1617	27.50	0.172	0.115	0.0108	0.269	0.254	0.617
287	1618	27.50	0.170	0.114	0.0107	0.266	0.252	0.617
287	1619	27.50	0.166	0.110	0.0105	0.262	0.248	0.607
287	1620	27.60	0.164	0.109	0.0104	0.256	0.241	0.593
287	1621	27.50	0.162	0.107	0.0102	0.251	0.237	0.588
287	1622	27.60	0.162	0.107	0.0100	0.248	0.235	0.588
287	1623	27.40	0.160	0.105	0.0099	0.245	0.232	0.588
287	1624	27.30	0.158	0.104	0.0097	0.239	0.226	0.578
287	1625	27.10	0.156	0.102	0.0096	0.236	0.223	0.578
287	1626	27.10	0.152	0.099	0.0094	0.227	0.217	0.559
287	1627	27.00	0.150	0.097	0.0092	0.226	0.215	0.559
287	1628	27.10	0.148	0.096	0.0091	0.224	0.212	0.569
287	1629	27.10	0.148	0.096	0.0089	0.220	0.208	0.564
287	1630	27.10	0.146	0.094	0.0088	0.214	0.204	0.554
287	1631	27.00	0.144	0.093	0.0086	0.209	0.199	0.544
287	1632	26.90	0.142	0.091	0.0084	0.205	0.195	0.539
287	1633	26.70	0.138	0.088	0.0083	0.202	0.192	0.534
287	1634	26.50	0.134	0.085	0.0080	0.195	0.188	0.530
287	1635	26.40	0.134	0.085	0.0079	0.192	0.184	0.520
287	1636	26.20	0.130	0.082	0.0077	0.189	0.181	0.520
287	1637	26.20	0.130	0.082	0.0076	0.183	0.175	0.515
287	1638	26.10	0.128	0.080	0.0075	0.180	0.175	0.515
287	1639	26.10	0.126	0.079	0.0073	0.176	0.170	0.505
287	1640	26.00	0.122	0.076	0.0071	0.171	0.164	0.496
287	1641	26.00	0.120	0.075	0.0069	0.167	0.159	0.491
287	1642	26.10	0.118	0.073	0.0069	0.162	0.157	0.481
287	1643	26.10	0.116	0.072	0.0067	0.159	0.153	0.476
287	1644	26.10	0.114	0.070	0.0065	0.156	0.150	0.466
287	1645	25.90	0.112	0.069	0.0064	0.150	0.146	0.452
287	1646	26.00	0.108	0.066	0.0061	0.146	0.139	0.442
287	1647	26.00	0.106	0.065	0.0061	0.141	0.137	0.442
287	1648	25.90	0.106	0.065	0.0058	0.137	0.133	0.428

WII SUNLIGHT INTENSITY STUDY: USEPA CONTRACT NO. 68-02-2258 LUNAR DATE: 10-14-75 JULIAN DATE: 75287

JULIAN DATE	TIME (EST)	TEMP (°C)	NOD (PPM)	KIB (1/MIN)	UV (LANGLEYS/MIN)	TSR (LANGLEYS/MIN)	395 (LANGLEYS/MIN)	NIP (LANGLEYS/MIN)
287	1649	26.30	0.104	0.063	0.0058	0.132	0.126	0.418
287	1650	26.30	0.102	0.062	0.0056	0.128	0.124	0.408
287	1651	26.10	0.098	0.059	0.0055	0.125	0.122	0.408
287	1652	26.10	0.096	0.058	0.0053	0.120	0.115	0.394
287	1653	26.10	0.094	0.056	0.0052	0.116	0.111	0.384
287	1654	26.10	0.092	0.055	0.0050	0.113	0.100	0.374
287	1655	26.10	0.090	0.054	0.0049	0.108	0.073	0.374
287	1656	26.00	0.088	0.052	0.0048	0.107	0.055	0.379
287	1657	25.90	0.086	0.051	0.0045	0.104	0.051	0.374
287	1658	25.80	0.084	0.050	0.0045	0.099	0.051	0.369
287	1659	25.70	0.082	0.048	0.0044	0.096	0.060	0.360
287	1700	25.60	0.080	0.047	0.0042	0.092	0.080	0.345
287	1701	25.50	0.078	0.046	0.0041	0.087	0.084	0.330
287	1702	25.50	0.076	0.045	0.0039	0.084	0.080	0.316
287	1703	25.40	0.074	0.043	0.0038	0.080	0.077	0.301
287	1704	25.30	0.072	0.042	0.0037	0.074	0.071	0.272
287	1705	25.30	0.070	0.041	0.0036	0.071	0.069	0.267
287	1706	25.10	0.068	0.039	0.0034	0.066	0.064	0.258
287	1707	25.10	0.066	0.038	0.0033	0.065	0.062	0.258
287	1708	25.00	0.064	0.037	0.0032	0.065	0.062	0.277
287	1709	24.90	0.064	0.037	0.0031	0.062	0.060	0.267
287	1710	24.80	0.060	0.034	0.0030	0.060	0.058	0.267
287	1711	24.70	0.058	0.033	0.0029	0.057	0.055	0.253
287	1712	24.60	0.058	0.033	0.0027	0.054	0.051	0.238
287	1713	24.50	0.056	0.032	0.0026	0.051	0.049	0.233
287	1714	24.50	0.054	0.031	0.0025	0.050	0.046	0.224
287	1715	24.40	0.052	0.029	0.0024	0.048	0.044	0.219
287	1716	24.30	0.050	0.028	0.0023	0.042	0.040	0.209
287	1717	24.30	0.048	0.027	0.0021	0.032	0.035	0.204
287	1718	24.10	0.046	0.026	0.0020	0.027	0.031	0.194
287	1719	24.10	0.046	0.026	0.0019	0.026	0.027	0.185
287	1720	24.00	0.044	0.025	0.0018	0.023	0.024	0.170
287	1721	23.90	0.042	0.023	0.0017	0.023	0.024	0.165
287	1722	23.80	0.040	0.022	0.0016	0.023	0.022	0.151
287	1723	23.70	0.040	0.022	0.0015	0.021	0.022	0.141
287	1724	23.50	0.036	0.020	0.0015	0.021	0.022	0.131
287	1725	23.40	0.036	0.020	0.0013	0.018	0.020	0.121
287	1726	23.50	0.034	0.019	0.0012	0.017	0.018	0.117
287	1727	23.30	0.032	0.018	0.0012	0.015	0.018	0.107
287	1728	23.30	0.030	0.017	0.0011	0.015	0.018	0.102
287	1729	23.10	0.030	0.017	0.0010	0.014	0.015	0.092
287	1730	23.10	0.026	0.015	0.0009	0.012	0.013	0.083
287	1731	23.10	0.026	0.014	0.0008	0.009	0.011	0.073
287	1732	23.10	0.024	0.013	0.0007	0.009	0.011	0.063
287	1733	23.10	0.024	0.013	0.0007	0.009	0.011	0.053
287	1734	23.00	0.022	0.012	0.0006	0.006	0.011	0.049
287	1735	23.00	0.022	0.012	0.0005	0.005	0.009	0.039
287	1736	23.00	0.020	0.011	0.0004	0.005	0.009	0.029
287	1737	23.10	0.018	0.010	0.0004	0.003	0.007	0.015
287	1738	23.10	0.016	0.009	0.0003	0.002	0.004	0.015
287	1739	23.00	0.016	0.009	0.0003	0.002	0.004	0.015

MTI SUNLIGHT INTENSITY STUDY: USEPA CONTRACT NO. 68-02-2258 LUNAR DATE: 10-16-75 JULIAN DATE: 75289

JULIAN DATE	TIME (EST)	TEMP (°C)	NUB (PPM)	KIB (I/MIN)	UV (LANGLEYS/MIN)	TSR (LANGLEYS/MIN)	395 (LANGLEYS/MIN)	VIP (LANGLEYS/MIN)
289	629	16.80	0.014	0.007	0.0001	0.008	0.018	0.010
289	630	16.80	0.014	0.007	0.0001	0.008	0.020	0.015
289	631	16.90	0.016	0.008	0.0002	0.009	0.020	0.015
289	632	16.80	0.016	0.008	0.0003	0.012	0.022	0.0
289	633	16.80	0.018	0.009	0.0004	0.012	0.024	0.015
289	634	16.80	0.020	0.010	0.0004	0.014	0.024	0.019
289	635	16.80	0.020	0.010	0.0005	0.015	0.027	0.019
289	636	16.70	0.022	0.011	0.0005	0.017	0.027	0.019
289	637	16.60	0.022	0.011	0.0006	0.018	0.029	0.015
289	638	16.50	0.024	0.012	0.0007	0.020	0.031	0.015
289	639	16.50	0.026	0.014	0.0007	0.021	0.031	0.015
289	640	16.50	0.027	0.014	0.0008	0.023	0.033	0.015
289	641	16.50	0.029	0.015	0.0010	0.024	0.035	0.015
289	642	16.50	0.029	0.015	0.0010	0.026	0.035	0.015
289	643	16.40	0.031	0.016	0.0011	0.027	0.038	0.015
289	644	16.40	0.033	0.017	0.0012	0.030	0.040	0.015
289	645	16.50	0.035	0.018	0.0012	0.032	0.042	0.015
289	646	16.40	0.037	0.019	0.0014	0.033	0.044	0.019
289	647	16.40	0.037	0.019	0.0015	0.036	0.044	0.015
289	648	16.50	0.039	0.021	0.0016	0.038	0.049	0.015
289	649	16.60	0.041	0.022	0.0017	0.041	0.051	0.015
289	650	16.60	0.041	0.022	0.0019	0.044	0.053	0.019
289	651	16.70	0.043	0.023	0.0020	0.047	0.058	0.019
289	652	16.70	0.045	0.024	0.0021	0.050	0.058	0.019
289	653	16.80	0.047	0.026	0.0023	0.051	0.062	0.015
289	654	16.70	0.049	0.027	0.0023	0.056	0.064	0.019
289	655	16.60	0.049	0.027	0.0026	0.059	0.066	0.029
289	656	16.60	0.051	0.028	0.0026	0.062	0.071	0.029
289	657	16.60	0.053	0.029	0.0029	0.066	0.075	0.034
289	658	16.50	0.057	0.032	0.0030	0.071	0.080	0.049
289	659	16.60	0.059	0.033	0.0031	0.074	0.082	0.044
289	700	16.60	0.061	0.034	0.0033	0.078	0.086	0.034
289	701	16.70	0.063	0.035	0.0035	0.083	0.093	0.034
289	702	16.80	0.065	0.037	0.0037	0.086	0.100	0.034
289	703	16.70	0.067	0.038	0.0040	0.105	0.115	0.044
289	704	16.80	0.071	0.041	0.0043	0.113	0.122	0.053
289	705	16.80	0.073	0.042	0.0045	0.120	0.128	0.039
289	706	16.90	0.075	0.043	0.0047	0.123	0.131	0.078
289	707	16.90	0.079	0.046	0.0049	0.132	0.139	0.136
289	708	16.90	0.081	0.047	0.0052	0.141	0.148	0.097
289	709	17.00	0.083	0.048	0.0054	0.146	0.153	0.087
289	710	17.00	0.085	0.050	0.0056	0.153	0.159	0.165
289	711	17.00	0.091	0.054	0.0057	0.156	0.164	0.214
289	712	17.10	0.093	0.055	0.0058	0.162	0.168	0.228
289	713	17.10	0.095	0.057	0.0061	0.167	0.175	0.238
289	714	17.10	0.095	0.057	0.0062	0.171	0.179	0.243
289	715	17.20	0.097	0.058	0.0064	0.176	0.184	0.253
289	716	17.30	0.099	0.059	0.0066	0.182	0.188	0.258
289	717	17.30	0.101	0.061	0.0067	0.183	0.190	0.258
289	718	17.40	0.103	0.062	0.0068	0.186	0.192	0.262
289	719	17.40	0.105	0.064	0.0069	0.191	0.197	0.267
289	720	17.50	0.107	0.065	0.0071	0.195	0.201	0.282

RTI SUNLIGHT INTENSITY STUDY: USEPA CONTRACT NO. 68-02-2258 LUNAR DATE: 10-16-75 JULIAN DATE: 75289

JULIAN DATE	TIME (EST)	TEMP (°C)	HUM (PPM)	R16 (1/MIN)	UV (LANGLEYS/MIN)	TSR (LANGLEYS/MIN)	395 (LANGLEYS/MIN)	VIP (LANGLEYS/MIN)
289	721	17.50	0.109	0.067	0.0072	0.200	0.206	0.287
289	722	17.60	0.111	0.068	0.0073	0.202	0.206	0.243
289	723	17.60	0.111	0.068	0.0075	0.203	0.208	0.296
289	724	17.60	0.113	0.069	0.0075	0.206	0.210	0.301
289	725	17.70	0.115	0.071	0.0077	0.206	0.210	0.301
289	726	17.70	0.115	0.071	0.0077	0.209	0.212	0.311
289	727	17.80	0.115	0.071	0.0077	0.209	0.215	0.316
289	728	17.80	0.117	0.072	0.0078	0.209	0.215	0.321
289	729	17.90	0.117	0.072	0.0078	0.211	0.215	0.321
289	730	18.00	0.117	0.072	0.0076	0.177	0.181	0.330
289	737	18.16	0.117	0.072	0.0080	0.164	0.168	0.292
289	738	18.10	0.117	0.072	0.0080	0.132	0.135	0.175
289	739	18.10	0.115	0.071	0.0083	0.116	0.119	0.102
289	740	18.10	0.115	0.071	0.0085	0.126	0.128	0.136
289	741	18.00	0.115	0.071	0.0087	0.123	0.126	0.117
289	742	18.10	0.115	0.071	0.0090	0.123	0.126	0.107
289	743	18.00	0.119	0.074	0.0093	0.129	0.131	0.107
289	744	18.10	0.121	0.075	0.0096	0.156	0.157	0.185
289	745	18.10	0.125	0.078	0.0099	0.202	0.204	0.330
289	746	18.10	0.131	0.083	0.0102	0.223	0.226	0.394
289	747	18.10	0.137	0.088	0.0105	0.226	0.228	0.394
289	748	18.10	0.141	0.091	0.0106	0.230	0.230	0.403
289	749	18.10	0.145	0.094	0.0109	0.218	0.219	0.355
289	750	18.10	0.147	0.095	0.0112	0.226	0.226	0.360
289	751	18.20	0.147	0.095	0.0115	0.233	0.232	0.379
289	752	18.20	0.151	0.099	0.0118	0.212	0.212	0.282
289	753	18.20	0.153	0.100	0.0121	0.262	0.261	0.428
289	754	18.30	0.157	0.104	0.0123	0.275	0.272	0.462
289	755	18.40	0.161	0.107	0.0126	0.280	0.277	0.466
289	756	18.40	0.165	0.110	0.0127	0.284	0.281	0.471
289	757	18.40	0.167	0.112	0.0130	0.290	0.285	0.476
289	758	18.40	0.169	0.114	0.0132	0.295	0.292	0.486
289	759	18.40	0.171	0.115	0.0134	0.298	0.294	0.486
289	800	18.50	0.175	0.119	0.0135	0.301	0.296	0.486
289	801	18.50	0.177	0.120	0.0137	0.304	0.299	0.491
289	802	18.50	0.179	0.122	0.0139	0.308	0.303	0.496
289	803	18.50	0.181	0.124	0.0141	0.311	0.308	0.500
289	804	18.50	0.183	0.126	0.0143	0.316	0.310	0.505
289	805	18.60	0.183	0.126	0.0145	0.322	0.316	0.510
289	806	18.60	0.187	0.129	0.0147	0.326	0.321	0.515
289	807	18.60	0.187	0.129	0.0149	0.332	0.327	0.525
289	808	18.60	0.192	0.133	0.0151	0.335	0.330	0.525
289	809	18.80	0.196	0.137	0.0153	0.340	0.332	0.534
289	810	18.80	0.198	0.139	0.0154	0.343	0.336	0.534
289	811	18.90	0.200	0.140	0.0156	0.344	0.336	0.536
289	812	18.90	0.200	0.140	0.0159	0.352	0.345	0.544
289	813	18.90	0.200	0.140	0.0155	0.356	0.350	0.554
289	814	19.00	0.202	0.142	0.0163	0.361	0.354	0.554
289	815	19.00	0.204	0.144	0.0164	0.364	0.356	0.554
289	816	19.10	0.206	0.146	0.0159	0.370	0.361	0.564
289	817	19.10	0.208	0.148	0.0168	0.373	0.363	0.564
289	818	19.10	0.210	0.150	0.0170	0.376	0.365	0.569

KII SUNLIGHT INTENSITY STUDY: USEPA CONTRACT NO. 68-02-2258 LUNAR DATE: 10-16-75 JULIAN DATE: 75289

JULIAN DATE	TIME (EST)	TEMP (°C)	NOB (PPM)	KIB (1/MIN)	UV (LANGLEYS/MIN)	TSR (LANGLEYS/MIN)	395 (LANGLEYS/MIN)	VIP (LANGLEYS/MIN)
289	819	19.10	0.212	0.152	0.0173	0.377	0.367	0.564
289	820	19.10	0.214	0.154	0.0175	0.385	0.374	0.573
289	821	19.10	0.214	0.154	0.0177	0.392	0.381	0.588
289	822	19.20	0.216	0.156	0.0178	0.392	0.381	0.578
289	823	19.30	0.218	0.158	0.0181	0.397	0.385	0.582
289	824	19.30	0.220	0.160	0.0183	0.408	0.394	0.603
289	825	19.30	0.222	0.162	0.0186	0.409	0.396	0.603
289	826	19.30	0.226	0.166	0.0188	0.414	0.400	0.612
289	827	19.30	0.228	0.169	0.0190	0.420	0.405	0.617
289	828	19.40	0.230	0.170	0.0192	0.421	0.407	0.617
289	829	19.40	0.230	0.170	0.0194	0.427	0.412	0.622
289	830	19.50	0.232	0.172	0.0197	0.435	0.418	0.632
289	831	19.50	0.232	0.172	0.0198	0.436	0.420	0.627
289	832	19.50	0.236	0.176	0.0202	0.448	0.431	0.641
289	833	19.00	0.238	0.178	0.0205	0.453	0.436	0.641
289	834	19.50	0.240	0.180	0.0208	0.460	0.442	0.651
289	835	19.50	0.244	0.185	0.0210	0.465	0.447	0.656
289	836	19.60	0.246	0.187	0.0213	0.472	0.456	0.666
289	837	19.60	0.246	0.187	0.0216	0.480	0.462	0.666
289	838	19.60	0.248	0.189	0.0219	0.486	0.467	0.666
289	839	19.70	0.250	0.191	0.0221	0.492	0.471	0.666
289	840	19.80	0.252	0.193	0.0225	0.498	0.478	0.671
289	841	19.70	0.254	0.196	0.0228	0.505	0.485	0.666
289	842	19.80	0.256	0.200	0.0232	0.517	0.496	0.680
289	843	19.80	0.260	0.202	0.0236	0.525	0.502	0.675
289	844	19.90	0.264	0.207	0.0239	0.531	0.509	0.671
289	845	20.00	0.264	0.207	0.0223	0.543	0.522	0.685
289	846	20.00	0.266	0.209	0.0246	0.550	0.529	0.680
289	847	20.10	0.266	0.209	0.0250	0.562	0.538	0.690
289	848	20.20	0.270	0.214	0.0253	0.574	0.551	0.700
289	849	20.20	0.274	0.219	0.0255	0.582	0.558	0.695
289	850	20.20	0.276	0.221	0.0257	0.589	0.566	0.700
289	851	20.20	0.276	0.221	0.0251	0.586	0.562	0.700
289	852	20.20	0.274	0.219	0.0227	0.459	0.438	0.476
289	853	20.30	0.262	0.205	0.0208	0.302	0.288	0.170
289	854	20.30	0.240	0.181	0.0210	0.283	0.268	0.102
289	855	20.30	0.234	0.174	0.0214	0.301	0.285	0.112
289	856	20.40	0.234	0.174	0.0224	0.377	0.358	0.238
289	857	20.40	0.238	0.179	0.0222	0.412	0.392	0.311
289	858	20.40	0.238	0.179	0.0210	0.335	0.319	0.155
289	859	20.40	0.232	0.172	0.0212	0.380	0.363	0.233
289	900	20.40	0.226	0.168	0.0198	0.302	0.288	0.097
289	901	20.40	0.220	0.160	0.0191	0.287	0.274	0.078
289	902	20.40	0.212	0.152	0.0189	0.299	0.285	0.107
289	903	20.30	0.208	0.149	0.0181	0.266	0.254	0.058
289	904	20.30	0.204	0.145	0.0177	0.260	0.248	0.063
289	905	20.30	0.198	0.139	0.0178	0.293	0.281	0.146
289	906	20.20	0.196	0.137	0.0167	0.236	0.226	0.058
289	907	20.20	0.190	0.132	0.0163	0.227	0.217	0.058
289	908	20.20	0.184	0.126	0.0162	0.224	0.215	0.068
289	909	20.20	0.180	0.123	0.0162	0.229	0.219	0.083
289	910	20.20	0.182	0.125	0.0159	0.211	0.201	0.063

NII SUNLIGHT INTENSITY STUDY: USEPA CONTRACT NO. 68-02-2259 LUNAR DATE: 10-16-75 JULIAN DATE: 75289

JULIAN DATE	TIME (EST)	TEMP (°C)	NUB (PPM)	K1B (1/MIN)	UV (LANGLEYS/MIN)	TSR (LANGLEYS/MIN)	395 (LANGLEYS/MIN)	NIP (LANGLEYS/MIN)
289	911	20.20	0.180	0.123	0.0157	0.186	0.177	0.024
289	912	20.20	0.176	0.119	0.0161	0.189	0.177	0.029
289	913	20.20	0.176	0.119	0.0165	0.200	0.190	0.044
289	914	20.20	0.180	0.123	0.0173	0.232	0.219	0.092
289	915	20.20	0.186	0.128	0.0185	0.311	0.299	0.233
289	916	20.30	0.198	0.139	0.0197	0.412	0.396	0.423
289	917	20.30	0.208	0.149	0.0183	0.316	0.303	0.262
289	918	20.30	0.210	0.151	0.0172	0.224	0.215	0.117
289	919	20.30	0.202	0.143	0.0169	0.182	0.170	0.044
289	920	20.30	0.194	0.136	0.0181	0.205	0.192	0.068
289	921	20.30	0.194	0.136	0.0200	0.266	0.252	0.155
289	922	20.40	0.202	0.143	0.0216	0.313	0.296	0.209
289	923	20.40	0.218	0.158	0.0240	0.398	0.378	0.330
289	924	20.40	0.234	0.175	0.0276	0.568	0.542	0.598
289	925	20.60	0.264	0.207	0.0294	0.626	0.597	0.680
289	926	20.60	0.282	0.229	0.0306	0.662	0.633	0.719
289	927	20.60	0.294	0.240	0.0315	0.686	0.655	0.743
289	928	20.80	0.302	0.254	0.0324	0.710	0.677	0.763
289	929	21.10	0.304	0.257	0.0330	0.726	0.695	0.768
289	930	21.00	0.308	0.262	0.0332	0.734	0.699	0.765
289	931	21.10	0.306	0.262	0.0337	0.734	0.701	0.729
289	932	21.10	0.306	0.259	0.0344	0.716	0.684	0.656
289	933	21.30	0.310	0.265	0.0363	0.829	0.792	0.811
289	934	21.50	0.316	0.273	0.0351	0.800	0.765	0.758
289	935	21.70	0.318	0.276	0.0273	0.402	0.381	0.131
289	936	21.60	0.288	0.236	0.0245	0.361	0.343	0.107
289	937	21.50	0.256	0.201	0.0219	0.290	0.274	0.034
289	938	21.40	0.234	0.175	0.0221	0.331	0.314	0.117
289	939	21.40	0.228	0.169	0.0211	0.302	0.285	0.092
289	940	21.30	0.222	0.163	0.0205	0.257	0.243	0.029
289	941	21.50	0.214	0.155	0.0219	0.274	0.257	0.029
289	942	21.20	0.216	0.157	0.0265	0.403	0.381	0.160
289	943	21.10	0.230	0.171	0.0345	0.797	0.759	0.729
289	944	21.30	0.278	0.224	0.0344	0.805	0.765	0.739
289	945	21.50	0.306	0.260	0.0333	0.767	0.746	0.714
289	946	21.80	0.310	0.265	0.0319	0.791	0.754	0.758
289	947	21.60	0.312	0.268	0.0241	0.418	0.398	0.243
289	948	21.60	0.274	0.220	0.0202	0.250	0.237	0.024
289	949	21.50	0.236	0.177	0.0205	0.242	0.228	0.019
289	950	21.50	0.216	0.157	0.0228	0.272	0.254	0.024
289	951	21.50	0.216	0.157	0.0329	0.690	0.655	0.593
289	952	21.50	0.250	0.192	0.0363	0.817	0.779	0.758
289	953	21.60	0.300	0.252	0.0360	0.827	0.788	0.787
289	954	21.70	0.320	0.279	0.0274	0.435	0.412	0.224
289	955	21.80	0.310	0.265	0.0264	0.436	0.412	0.253
289	956	21.70	0.276	0.222	0.0300	0.570	0.546	0.487
289	957	21.60	0.276	0.222	0.0293	0.614	0.582	0.544
289	958	21.80	0.288	0.237	0.0210	0.247	0.232	0.058
289	959	21.70	0.258	0.201	0.0227	0.266	0.250	0.073
289	1000	21.70	0.234	0.175	0.0345	0.759	0.721	0.743
289	1001	21.70	0.268	0.213	0.0368	0.802	0.761	0.777
289	1002	21.80	0.304	0.257	0.0379	0.833	0.792	0.821

RTI SUNLIGHT INTENSITY STUDY: USEPA CONTRACT NO. 68-02-2258 LUNAR DATE: 10-16-75 JULIAN DATE: 75289

JULIAN DATE	TIME (EST)	TEMP (°C)	NUB (PPM)	KIB (1/MIN)	UV (LANGLEYS/MIN)	TSR (LANGLEYS/MIN)	395 (LANGLEYS/MIN)	VIS (LANGLEYS/MIN)
289	1003	22.00	0.325	0.284	0.0380	0.826	0.785	0.797
289	1004	22.00	0.331	0.293	0.0387	0.854	0.814	0.831
289	1005	22.10	0.331	0.293	0.0389	0.866	0.825	0.836
289	1006	22.10	0.333	0.296	0.0381	0.851	0.812	0.811
289	1007	22.10	0.335	0.299	0.0327	0.614	0.582	0.471
289	1008	22.30	0.321	0.279	0.0358	0.767	0.730	0.675
289	1009	22.40	0.315	0.271	0.0349	0.710	0.673	0.578
289	1010	22.30	0.313	0.268	0.0369	0.802	0.763	0.690
289	1011	22.30	0.315	0.271	0.0359	0.783	0.743	0.671
289	1012	22.30	0.317	0.273	0.0314	0.561	0.531	0.355
289	1013	22.30	0.307	0.260	0.0322	0.615	0.584	0.428
289	1014	22.30	0.292	0.242	0.0306	0.547	0.515	0.335
289	1015	22.40	0.288	0.237	0.0279	0.423	0.398	0.170
289	1016	22.30	0.274	0.220	0.0292	0.475	0.449	0.243
289	1017	22.40	0.266	0.211	0.0337	0.678	0.644	0.525
289	1018	22.40	0.284	0.232	0.0333	0.632	0.597	0.457
289	1019	22.50	0.299	0.250	0.0349	0.689	0.655	0.544
289	1020	22.60	0.305	0.258	0.0367	0.737	0.699	0.617
289	1021	22.60	0.313	0.268	0.0390	0.824	0.783	0.753
289	1022	22.80	0.327	0.288	0.0368	0.814	0.772	0.743
289	1023	22.80	0.333	0.296	0.0385	0.773	0.735	0.695
289	1024	22.80	0.351	0.293	0.0412	0.890	0.845	0.865
289	1025	22.90	0.337	0.302	0.0419	0.905	0.858	0.889
289	1026	23.10	0.345	0.314	0.0421	0.907	0.863	0.904
289	1027	23.20	0.347	0.317	0.0415	0.890	0.850	0.889
289	1028	23.30	0.345	0.314	0.0405	0.847	0.805	0.831
289	1029	23.30	0.339	0.305	0.0403	0.830	0.788	0.802
289	1030	23.40	0.337	0.302	0.0402	0.842	0.801	0.821
289	1031	23.40	0.337	0.303	0.0389	0.785	0.746	0.748
289	1032	23.40	0.335	0.300	0.0423	0.908	0.863	0.909
289	1033	23.60	0.341	0.309	0.0427	0.908	0.863	0.909
289	1034	23.70	0.345	0.315	0.0428	0.905	0.861	0.909
289	1035	23.80	0.347	0.318	0.0429	0.907	0.863	0.909
289	1036	23.80	0.347	0.318	0.0432	0.911	0.865	0.914
289	1037	23.70	0.349	0.321	0.0433	0.910	0.863	0.909
289	1038	23.60	0.349	0.321	0.0438	0.917	0.872	0.923
289	1039	23.60	0.349	0.321	0.0436	0.911	0.863	0.914
289	1040	23.60	0.351	0.324	0.0438	0.914	0.867	0.923
289	1041	23.80	0.353	0.327	0.0439	0.916	0.869	0.923
289	1042	23.80	0.353	0.327	0.0442	0.922	0.876	0.928
289	1043	23.90	0.353	0.327	0.0444	0.928	0.883	0.933
289	1044	24.00	0.353	0.327	0.0442	0.922	0.876	0.923
289	1045	24.00	0.351	0.324	0.0444	0.925	0.881	0.923
289	1046	24.00	0.351	0.324	0.0447	0.935	0.887	0.938
289	1047	24.00	0.353	0.327	0.0448	0.935	0.887	0.933
289	1048	24.00	0.357	0.334	0.0447	0.937	0.889	0.933
289	1049	24.00	0.355	0.330	0.0438	0.910	0.863	0.894
289	1050	24.00	0.353	0.327	0.0414	0.823	0.777	0.782
289	1051	24.00	0.347	0.318	0.0395	0.743	0.701	0.675
289	1052	24.00	0.337	0.303	0.0392	0.699	0.659	0.607
289	1053	24.10	0.331	0.294	0.0448	0.928	0.878	0.914
289	1054	24.40	0.343	0.312	0.0456	0.950	0.900	0.946

RTI SUNLIGHT INTENSITY STUDY: USEPA CONTRACT NO. 68-02-2258 LUNAR DATE: 10-16-75 JULIAN DATE: 75289

JULIAN DATE	TIME (EST)	TEMP (°C)	NUB (PPM)	KIB (1/MIN)	UV (LANGLEYS/MIN)	TSR (LANGLEYS/MIN)	395 (LANGLEYS/MIN)	VIP (LANGLEYS/MIN)
289	1055	24.30	0.355	0.331	0.0456	0.949	0.898	0.943
289	1056	24.20	0.357	0.334	0.0459	0.953	0.903	0.943
289	1057	24.30	0.359	0.337	0.0460	0.953	0.905	0.943
289	1058	24.40	0.357	0.334	0.0456	0.931	0.881	0.909
289	1059	24.50	0.355	0.331	0.0463	0.964	0.914	0.948
289	1100	24.50	0.361	0.340	0.0463	0.968	0.918	0.945
289	1101	24.60	0.359	0.337	0.0462	0.961	0.912	0.923
289	1102	24.60	0.357	0.334	0.0431	0.853	0.805	0.787
289	1103	24.70	0.355	0.331	0.0444	0.904	0.854	0.850
289	1104	24.90	0.349	0.321	0.0448	0.926	0.878	0.875
289	1105	25.10	0.353	0.328	0.0433	0.878	0.832	0.821
289	1106	25.10	0.349	0.322	0.0399	0.735	0.692	0.632
289	1107	25.00	0.343	0.312	0.0434	0.866	0.819	0.797
289	1108	25.00	0.337	0.303	0.0450	0.907	0.856	0.831
289	1109	25.00	0.347	0.319	0.0465	0.952	0.900	0.884
289	1110	25.30	0.355	0.331	0.0477	0.995	0.942	0.933
289	1111	25.40	0.361	0.341	0.0481	1.011	0.956	0.952
289	1112	25.40	0.367	0.351	0.0485	1.017	0.962	0.948
289	1113	25.50	0.367	0.351	0.0474	0.985	0.931	0.894
289	1114	25.50	0.365	0.347	0.0470	0.970	0.918	0.860
289	1115	25.60	0.361	0.341	0.0472	0.976	0.923	0.855
289	1116	25.50	0.361	0.341	0.0464	0.931	0.881	0.777
289	1117	25.60	0.355	0.331	0.0488	1.036	0.980	0.899
289	1118	25.70	0.359	0.338	0.0461	0.922	0.872	0.743
289	1119	25.80	0.363	0.344	0.0476	0.994	0.940	0.826
289	1120	25.60	0.359	0.338	0.0483	1.012	0.958	0.826
289	1121	25.40	0.361	0.341	0.0475	0.992	0.936	0.787
289	1122	25.60	0.359	0.338	0.0471	0.976	0.918	0.768
289	1123	25.60	0.359	0.338	0.0465	0.947	0.894	0.724
289	1124	25.60	0.357	0.335	0.0477	1.008	0.951	0.807
289	1125	25.80	0.357	0.335	0.0464	0.977	0.920	0.773
289	1126	25.60	0.361	0.341	0.0433	0.857	0.808	0.627
289	1127	25.60	0.359	0.338	0.0428	0.856	0.805	0.637
289	1128	25.60	0.349	0.322	0.0433	0.892	0.841	0.695
289	1217	26.80	0.353	0.329	0.0471	0.973	0.912	0.943
289	1218	26.90	0.355	0.332	0.0472	0.974	0.914	0.948
289	1219	26.90	0.355	0.332	0.0471	0.974	0.912	0.943
289	1220	26.90	0.357	0.335	0.0471	0.973	0.909	0.948
289	1221	26.90	0.357	0.335	0.0471	0.970	0.907	0.952
289	1222	27.00	0.357	0.336	0.0472	0.973	0.909	0.957
289	1223	27.00	0.357	0.336	0.0473	0.974	0.912	0.952
289	1224	27.00	0.359	0.339	0.0466	0.958	0.896	0.928
289	1225	26.90	0.357	0.335	0.0460	0.946	0.885	0.909
289	1226	26.80	0.355	0.332	0.0459	0.944	0.883	0.904
289	1227	26.80	0.351	0.326	0.0461	0.949	0.887	0.914
289	1228	26.80	0.351	0.326	0.0461	0.947	0.887	0.914
289	1229	26.80	0.353	0.329	0.0458	0.941	0.881	0.914
289	1230	26.90	0.353	0.329	0.0466	0.961	0.898	0.938
289	1231	27.00	0.351	0.326	0.0469	0.968	0.905	0.948
289	1232	27.10	0.351	0.326	0.0463	0.955	0.894	0.928
289	1233	27.10	0.351	0.326	0.0460	0.946	0.887	0.918
289	1234	27.30	0.351	0.326	0.0461	0.949	0.889	0.923

KII SUNLIGHT INTENSITY STUDY: USEPA CONTRACT NO. 68-02-2258 LUNAR DATE: 10-16-75 JULIAN DATE: 75289

JULIAN DATE	TIME (EST)	TEMP (°C)	NOB (PPM)	K1B (1/MIN)	UV (LANGLEYS/MIN)	TSR (LANGLEYS/MIN)	395 (LANGLEYS/MIN)	VIP (LANGLEYS/MIN)
289	1235	27.30	0.351	0.326	0.0462	0.953	0.892	0.933
289	1236	27.30	0.353	0.329	0.0458	0.947	0.867	0.923
289	1237	27.30	0.353	0.329	0.0455	0.941	0.883	0.918
289	1238	27.30	0.349	0.323	0.0452	0.935	0.876	0.909
289	1239	27.50	0.349	0.323	0.0452	0.938	0.878	0.914
289	1240	27.60	0.347	0.320	0.0453	0.940	0.881	0.914
289	1241	27.60	0.345	0.317	0.0455	0.943	0.883	0.918
289	1243	27.30	0.351	0.326	0.0457	0.947	0.885	0.928
289	1244	27.40	0.353	0.329	0.0456	0.946	0.883	0.928
289	1245	27.40	0.353	0.329	0.0457	0.947	0.887	0.928
289	1246	27.30	0.349	0.323	0.0457	0.949	0.887	0.928
289	1247	27.50	0.349	0.323	0.0448	0.929	0.869	0.904
289	1248	27.50	0.347	0.320	0.0452	0.938	0.878	0.918
289	1249	27.50	0.351	0.326	0.0449	0.937	0.876	0.909
289	1250	27.60	0.353	0.329	0.0458	0.962	0.900	0.938
289	1251	27.60	0.355	0.333	0.0456	0.958	0.896	0.928
289	1252	27.40	0.353	0.329	0.0456	0.955	0.892	0.918
289	1253	27.50	0.349	0.323	0.0438	0.895	0.836	0.841
289	1254	27.50	0.343	0.314	0.0437	0.917	0.858	0.841
289	1255	27.40	0.341	0.311	0.0433	0.911	0.852	0.841
289	1256	27.50	0.343	0.314	0.0439	0.917	0.858	0.860
289	1257	27.50	0.345	0.317	0.0433	0.901	0.843	0.845
289	1258	27.50	0.345	0.317	0.0433	0.901	0.843	0.845
289	1259	27.60	0.343	0.314	0.0442	0.929	0.872	0.889
289	1300	27.60	0.345	0.317	0.0445	0.938	0.881	0.904
289	1301	27.60	0.345	0.317	0.0447	0.946	0.885	0.909
289	1302	27.70	0.347	0.320	0.0443	0.935	0.876	0.894
289	1303	27.60	0.347	0.320	0.0442	0.935	0.876	0.894
289	1304	27.80	0.347	0.320	0.0439	0.929	0.869	0.894
289	1305	27.50	0.347	0.320	0.0436	0.923	0.865	0.889
289	1306	27.70	0.345	0.317	0.0437	0.925	0.867	0.884
289	1307	27.90	0.343	0.314	0.0439	0.928	0.869	0.894
289	1308	28.00	0.343	0.314	0.0436	0.926	0.867	0.894
289	1309	28.10	0.343	0.314	0.0431	0.913	0.856	0.875
289	1310	28.00	0.343	0.314	0.0436	0.929	0.872	0.889
289	1311	28.10	0.345	0.317	0.0435	0.929	0.872	0.889
289	1312	28.00	0.347	0.320	0.0438	0.941	0.883	0.904
289	1313	28.00	0.345	0.317	0.0423	0.899	0.843	0.836
289	1314	28.00	0.341	0.311	0.0431	0.928	0.869	0.875
289	1315	28.00	0.341	0.311	0.0434	0.938	0.878	0.889
289	1316	28.00	0.343	0.314	0.0433	0.943	0.883	0.889
289	1317	27.80	0.347	0.320	0.0427	0.931	0.872	0.870
289	1318	27.80	0.345	0.317	0.0423	0.937	0.876	0.865
289	1319	27.90	0.345	0.317	0.0426	0.947	0.889	0.855
289	1320	28.10	0.345	0.317	0.0431	0.955	0.894	0.865
289	1321	28.10	0.343	0.314	0.0425	0.941	0.883	0.860
289	1322	27.90	0.339	0.308	0.0393	0.802	0.752	0.671
289	1323	27.80	0.331	0.296	0.0387	0.811	0.759	0.680
289	1324	27.90	0.325	0.288	0.0382	0.785	0.737	0.661
289	1325	28.00	0.323	0.285	0.0364	0.731	0.684	0.607
289	1326	27.90	0.313	0.271	0.0287	0.313	0.288	0.029
289	1327	27.90	0.285	0.235	0.0289	0.329	0.303	0.044

RTI SUNLIGHT INTENSITY STUDY: USEPA CONTRACT NO. 68-02-2258 LUNAR DATE: 10-16-75 JULIAN DATE: 75289

JULIAN DATE	TIME (EST)	TEMP (°C)	NUB (PPM)	KIB (1/MIN)	UV (LANGLEYS/MIN)	TSR (LANGLEYS/MIN)	395 (LANGLEYS/MIN)	VIP (LANGLEYS/MIN)
289	1328	27.80	0.275	0.223	0.0311	0.531	0.493	0.355
289	1329	27.80	0.283	0.232	0.0322	0.573	0.529	0.408
289	1330	27.80	0.289	0.240	0.0360	0.764	0.712	0.641
289	1331	27.50	0.305	0.260	0.0318	0.427	0.394	0.102
289	1332	27.60	0.309	0.266	0.0287	0.325	0.296	0.019
289	1333	27.50	0.285	0.235	0.0269	0.298	0.272	0.019
289	1334	27.40	0.267	0.213	0.0258	0.286	0.261	0.015
289	1335	27.40	0.259	0.204	0.0253	0.284	0.259	0.010
289	1336	27.30	0.253	0.197	0.0254	0.290	0.263	0.005
289	1337	27.10	0.253	0.197	0.0272	0.380	0.347	0.107
289	1338	27.20	0.263	0.208	0.0272	0.386	0.352	0.107
289	1339	27.10	0.277	0.225	0.0256	0.304	0.279	0.034
289	1340	27.10	0.265	0.211	0.0235	0.262	0.239	0.015
289	1341	27.00	0.247	0.190	0.0225	0.241	0.219	0.015
289	1342	27.00	0.235	0.178	0.0219	0.232	0.212	0.010
289	1343	26.90	0.229	0.171	0.0225	0.250	0.228	0.015
289	1344	26.90	0.231	0.173	0.0231	0.262	0.239	0.015
289	1345	26.80	0.235	0.178	0.0237	0.271	0.248	0.015
289	1346	26.80	0.243	0.186	0.0281	0.481	0.454	0.248
289	1347	26.90	0.261	0.206	0.0309	0.617	0.575	0.413
289	1348	27.00	0.287	0.237	0.0265	0.349	0.323	0.020
289	1349	27.00	0.271	0.218	0.0306	0.722	0.684	0.573
289	1350	27.10	0.275	0.222	0.0281	0.532	0.502	0.282
289	1351	27.10	0.283	0.232	0.0247	0.343	0.319	0.024
289	1352	27.10	0.265	0.211	0.0246	0.353	0.330	0.024
289	1353	27.10	0.255	0.199	0.0291	0.648	0.615	0.374
289	1354	27.20	0.267	0.213	0.0331	0.886	0.834	0.753
289	1355	27.30	0.295	0.247	0.0351	0.917	0.867	0.773
289	1356	27.60	0.311	0.268	0.0352	0.690	0.841	0.729
289	1357	27.80	0.317	0.277	0.0357	0.893	0.843	0.753
289	1358	27.90	0.317	0.277	0.0355	0.875	0.825	0.753
289	1359	28.00	0.317	0.277	0.0344	0.841	0.792	0.734
289	1400	28.10	0.311	0.268	0.0337	0.826	0.779	0.734
289	1401	28.10	0.307	0.263	0.0334	0.826	0.779	0.748
289	1402	28.20	0.301	0.255	0.0330	0.797	0.752	0.719
289	1403	28.40	0.299	0.253	0.0343	0.839	0.792	0.787
289	1404	28.50	0.305	0.261	0.0344	0.844	0.796	0.797
289	1405	28.40	0.311	0.269	0.0341	0.836	0.790	0.792
289	1406	28.40	0.311	0.269	0.0339	0.835	0.790	0.807
289	1407	28.40	0.307	0.263	0.0265	0.334	0.310	0.029
289	1408	28.00	0.291	0.242	0.0253	0.313	0.292	0.024
289	1409	27.90	0.261	0.206	0.0247	0.305	0.283	0.019
289	1410	27.80	0.251	0.195	0.0243	0.301	0.279	0.015
289	1411	27.50	0.247	0.191	0.0242	0.307	0.283	0.019
289	1412	27.40	0.247	0.191	0.0247	0.337	0.312	0.029
289	1413	27.30	0.249	0.193	0.0254	0.355	0.330	0.024
289	1414	27.30	0.255	0.199	0.0302	0.782	0.737	0.709
289	1415	27.40	0.279	0.227	0.0311	0.767	0.723	0.709
289	1416	27.40	0.291	0.242	0.0308	0.774	0.732	0.739
289	1417	27.50	0.293	0.245	0.0300	0.764	0.723	0.739
289	1418	27.60	0.291	0.242	0.0275	0.677	0.633	0.564
289	1419	27.60	0.285	0.235	0.0234	0.316	0.296	0.024

RTI SUNLIGHT INTENSITY STUDY: USEPA CONTRACT NO. 68-02-2258 LUNAR DATE: 10-16-75 JULIAN DATE: 75289

JULIAN DATE	TIME (EST)	TEMP (°C)	NOB (PPM)	RIB (1/MIN)	UV (LANGLEYS/MIN)	TSR (LANGLEYS/MIN)	395 (LANGLEYS/MIN)	NIP (LANGLEYS/MIN)
289	1420	27.50	0.255	0.197	0.0230	0.310	0.290	0.019
289	1421	27.40	0.241	0.184	0.0229	0.308	0.288	0.015
289	1422	27.40	0.235	0.178	0.0230	0.310	0.288	0.010
289	1423	27.30	0.237	0.180	0.0233	0.310	0.288	0.010
289	1424	27.30	0.239	0.182	0.0235	0.313	0.296	0.010
289	1425	27.30	0.241	0.184	0.0233	0.302	0.279	0.005
289	1426	27.20	0.243	0.186	0.0232	0.299	0.277	0.010
289	1427	27.10	0.243	0.186	0.0235	0.310	0.288	0.015
289	1428	27.20	0.243	0.186	0.0270	0.579	0.542	0.432
289	1429	27.30	0.255	0.199	0.0286	0.678	0.637	0.515
289	1430	27.40	0.283	0.232	0.0281	0.583	0.555	0.515
289	1431	27.50	0.291	0.242	0.0259	0.361	0.336	0.024
289	1432	27.50	0.271	0.218	0.0276	0.555	0.527	0.384
289	1433	27.60	0.265	0.211	0.0286	0.698	0.657	0.617
289	1434	27.70	0.279	0.227	0.0265	0.450	0.420	0.185
289	1435	27.80	0.277	0.225	0.0290	0.687	0.648	0.593
289	1436	27.90	0.281	0.230	0.0295	0.734	0.692	0.666
289	1437	27.90	0.289	0.240	0.0294	0.738	0.697	0.656
289	1438	27.90	0.291	0.242	0.0256	0.388	0.363	0.024
289	1439	27.90	0.281	0.230	0.0254	0.380	0.356	0.029
289	1440	27.90	0.263	0.209	0.0249	0.370	0.345	0.029
289	1441	27.80	0.257	0.202	0.0277	0.690	0.650	0.622
289	1442	27.80	0.265	0.211	0.0251	0.472	0.447	0.262
289	1443	27.90	0.267	0.213	0.0265	0.665	0.628	0.637
289	1444	27.90	0.271	0.218	0.0257	0.618	0.584	0.593
289	1445	27.80	0.273	0.220	0.0225	0.325	0.303	0.024
289	1446	27.80	0.251	0.195	0.0232	0.412	0.389	0.136
289	1447	27.90	0.247	0.191	0.0238	0.564	0.527	0.398
289	1448	27.80	0.255	0.200	0.0223	0.345	0.323	0.019
289	1449	27.80	0.243	0.186	0.0221	0.343	0.323	0.024
289	1450	27.80	0.239	0.182	0.0238	0.588	0.555	0.505
289	1451	27.80	0.243	0.186	0.0219	0.501	0.473	0.394
289	1452	27.70	0.245	0.189	0.0196	0.371	0.352	0.219
289	1453	27.80	0.231	0.174	0.0180	0.310	0.292	0.146
289	1454	27.60	0.215	0.157	0.0171	0.272	0.257	0.097
289	1455	27.60	0.207	0.150	0.0164	0.241	0.228	0.053
289	1456	27.60	0.197	0.140	0.0163	0.241	0.226	0.058
289	1457	27.50	0.195	0.138	0.0164	0.241	0.223	0.053
289	1458	27.40	0.195	0.138	0.0166	0.224	0.210	0.015
289	1459	27.30	0.193	0.136	0.0170	0.232	0.215	0.019
289	1500	27.20	0.195	0.138	0.0190	0.415	0.392	0.345
289	1501	27.20	0.209	0.152	0.0208	0.513	0.485	0.481
289	1502	27.20	0.229	0.171	0.0221	0.570	0.540	0.544
289	1503	27.30	0.243	0.186	0.0232	0.591	0.558	0.559
289	1504	27.50	0.253	0.197	0.0235	0.588	0.555	0.534
289	1505	27.50	0.259	0.204	0.0240	0.580	0.549	0.525
289	1506	27.60	0.261	0.206	0.0232	0.529	0.500	0.447
289	1507	27.60	0.259	0.204	0.0229	0.484	0.458	0.394
289	1508	27.60	0.255	0.199	0.0222	0.444	0.418	0.340
289	1509	27.60	0.249	0.193	0.0220	0.439	0.412	0.350
289	1510	27.50	0.245	0.188	0.0227	0.531	0.500	0.539
289	1511	27.50	0.247	0.191	0.0231	0.558	0.527	0.598

RTI SUNLIGHT INTENSITY STUDY: USEPA CONTRACT NO. 68-02-2258 LUNAR DATE: 10-16-75 JULIAN DATE: 75289

JULIAN DATE	TIME (EST)	TEMP (°C)	NOB (PPM)	KIB (1/MIN)	UV (LANGLEYS/MIN)	TSR (LANGLEYS/MIN)	395 (LANGLEYS/MIN)	VIP (LANGLEYS/MIN)
289	1512	27.60	0.253	0.197	0.0230	0.540	0.511	0.559
289	1513	27.60	0.257	0.202	0.0229	0.543	0.513	0.573
289	1514	27.60	0.257	0.202	0.0230	0.553	0.524	0.603
289	1515	27.60	0.259	0.204	0.0229	0.552	0.520	0.598
289	1516	27.60	0.259	0.204	0.0227	0.547	0.515	0.598
289	1517	27.60	0.257	0.202	0.0226	0.534	0.504	0.583
289	1518	27.60	0.257	0.202	0.0224	0.531	0.500	0.598
289	1519	27.60	0.257	0.202	0.0219	0.511	0.482	0.573
289	1520	27.60	0.255	0.199	0.0214	0.493	0.465	0.549
289	1521	27.50	0.253	0.197	0.0209	0.475	0.447	0.525
289	1522	27.50	0.247	0.191	0.0203	0.450	0.423	0.491
289	1523	27.50	0.243	0.186	0.0198	0.427	0.403	0.457
289	1524	27.40	0.237	0.180	0.0194	0.427	0.403	0.476
289	1525	27.50	0.233	0.176	0.0189	0.376	0.354	0.369
289	1526	27.40	0.231	0.174	0.0184	0.370	0.350	0.379
289	1527	27.40	0.227	0.169	0.0179	0.391	0.369	0.428
289	1528	27.40	0.223	0.165	0.0175	0.395	0.374	0.442
289	1529	27.30	0.219	0.161	0.0172	0.391	0.369	0.442
289	1530	27.40	0.217	0.159	0.0168	0.377	0.356	0.413
289	1531	27.30	0.215	0.157	0.0166	0.368	0.347	0.398
289	1532	27.30	0.213	0.155	0.0164	0.356	0.338	0.379
289	1533	27.30	0.211	0.153	0.0162	0.343	0.323	0.345
289	1534	27.30	0.209	0.152	0.0162	0.338	0.321	0.345
289	1535	27.30	0.205	0.148	0.0162	0.343	0.325	0.360
289	1536	27.30	0.201	0.144	0.0156	0.335	0.319	0.345
289	1537	27.30	0.201	0.144	0.0156	0.338	0.321	0.360
289	1538	27.30	0.199	0.142	0.0152	0.320	0.303	0.321
289	1539	27.20	0.199	0.142	0.0151	0.323	0.305	0.335
289	1540	27.20	0.197	0.140	0.0153	0.307	0.290	0.306
289	1541	27.20	0.193	0.136	0.0150	0.308	0.290	0.316
289	1542	27.10	0.191	0.135	0.0148	0.305	0.288	0.316
289	1543	27.20	0.189	0.133	0.0145	0.295	0.279	0.296
289	1544	27.00	0.185	0.129	0.0141	0.277	0.261	0.267
289	1545	27.00	0.185	0.129	0.0137	0.250	0.237	0.219
289	1546	26.90	0.179	0.124	0.0134	0.236	0.223	0.199
289	1547	26.90	0.175	0.120	0.0129	0.226	0.215	0.190
289	1548	26.80	0.169	0.115	0.0126	0.224	0.212	0.194
289	1549	26.90	0.167	0.113	0.0124	0.221	0.210	0.199
289	1550	26.80	0.163	0.110	0.0121	0.211	0.199	0.175
289	1551	26.80	0.161	0.108	0.0117	0.197	0.186	0.141
289	1552	26.70	0.157	0.105	0.0114	0.185	0.175	0.121
289	1553	26.60	0.153	0.101	0.0111	0.173	0.164	0.097
289	1554	26.60	0.147	0.097	0.0109	0.173	0.164	0.102
289	1555	26.50	0.145	0.095	0.0107	0.167	0.159	0.087
289	1556	26.40	0.142	0.093	0.0105	0.159	0.150	0.068
289	1557	26.40	0.138	0.090	0.0102	0.150	0.142	0.053
289	1558	26.40	0.136	0.089	0.0102	0.147	0.142	0.049
289	1559	26.40	0.132	0.085	0.0100	0.143	0.135	0.034
289	1600	26.30	0.130	0.084	0.0098	0.140	0.088	0.024
289	1601	26.30	0.128	0.082	0.0098	0.138	0.133	0.029
289	1602	26.20	0.126	0.081	0.0096	0.137	0.131	0.024
289	1603	26.10	0.126	0.081	0.0096	0.135	0.131	0.019

KII SUNLIGHT INTENSITY STUDY: USEPA CONTRACT NO. 68-02-2258 LUNAR DATE: 10-16-75 JULIAN DATE: 75289

JULIAN DATE	TIME (EST)	TEMP (°C)	HUM (PPM)	KIB (1/MIN)	UV (LANGLEYS/MIN)	TSR (LANGLEYS/MIN)	395 (LANGLEYS/MIN)	VIP (LANGLEYS/MIN)
289	1604	26.00	0.124	0.079	0.0095	0.137	0.131	0.019
289	1605	26.00	0.122	0.078	0.0094	0.134	0.128	0.024
289	1606	25.90	0.120	0.076	0.0092	0.132	0.126	0.019
289	1607	25.90	0.120	0.076	0.0091	0.131	0.126	0.019
289	1608	25.90	0.118	0.075	0.0089	0.128	0.122	0.015
289	1609	25.80	0.116	0.073	0.0088	0.126	0.122	0.015
289	1610	25.90	0.114	0.072	0.0086	0.125	0.119	0.015
289	1611	25.80	0.112	0.070	0.0084	0.123	0.119	0.010
289	1612	25.70	0.110	0.069	0.0083	0.122	0.119	0.019
289	1613	25.80	0.104	0.067	0.0080	0.119	0.115	0.015
289	1614	25.60	0.108	0.067	0.0080	0.117	0.115	0.015
289	1615	25.60	0.106	0.066	0.0077	0.117	0.113	0.015
289	1616	25.60	0.104	0.064	0.0076	0.116	0.113	0.015
289	1617	25.60	0.104	0.064	0.0075	0.114	0.113	0.015
289	1618	25.60	0.102	0.063	0.0075	0.116	0.113	0.019
289	1620	25.50	0.100	0.062	0.0073	0.116	0.113	0.019
289	1621	25.40	0.098	0.060	0.0072	0.116	0.113	0.019
289	1622	25.50	0.096	0.059	0.0071	0.114	0.113	0.019
289	1623	25.40	0.096	0.059	0.0069	0.114	0.111	0.019
289	1624	25.50	0.094	0.057	0.0069	0.113	0.111	0.019
289	1625	25.40	0.094	0.057	0.0067	0.111	0.108	0.015
289	1626	25.50	0.092	0.056	0.0065	0.110	0.108	0.015
289	1627	25.50	0.092	0.056	0.0064	0.110	0.108	0.019
289	1628	25.50	0.090	0.055	0.0063	0.107	0.104	0.015
289	1629	25.30	0.088	0.053	0.0061	0.105	0.102	0.015
289	1630	25.30	0.088	0.053	0.0060	0.104	0.102	0.019
289	1631	25.30	0.086	0.052	0.0056	0.101	0.100	0.019
289	1632	25.20	0.084	0.050	0.0056	0.098	0.097	0.015
289	1633	25.20	0.082	0.049	0.0055	0.095	0.093	0.015
289	1634	25.20	0.080	0.048	0.0053	0.092	0.091	0.019
289	1635	25.30	0.078	0.046	0.0052	0.089	0.088	0.019
289	1636	25.10	0.076	0.045	0.0050	0.084	0.084	0.015
289	1637	25.00	0.074	0.044	0.0048	0.081	0.080	0.015
289	1638	25.10	0.072	0.042	0.0048	0.080	0.080	0.015
289	1639	24.90	0.070	0.041	0.0046	0.077	0.077	0.015
289	1640	24.90	0.068	0.040	0.0045	0.074	0.073	0.015
289	1641	24.80	0.068	0.040	0.0044	0.072	0.073	0.015
289	1642	24.70	0.066	0.038	0.0042	0.071	0.071	0.015
289	1643	24.60	0.064	0.037	0.0042	0.071	0.071	0.015
289	1644	24.50	0.062	0.036	0.0041	0.069	0.069	0.015
289	1645	24.50	0.062	0.036	0.0040	0.069	0.069	0.015
289	1646	24.40	0.060	0.034	0.0040	0.069	0.071	0.015
289	1647	24.20	0.058	0.033	0.0039	0.069	0.071	0.015
289	1648	24.20	0.058	0.033	0.0038	0.068	0.069	0.015
289	1649	24.20	0.056	0.032	0.0037	0.066	0.066	0.019
289	1650	24.10	0.056	0.032	0.0036	0.063	0.064	0.015
289	1651	24.10	0.054	0.031	0.0034	0.062	0.062	0.015
289	1652	24.20	0.052	0.029	0.0034	0.059	0.060	0.015
289	1653	24.30	0.050	0.028	0.0032	0.057	0.058	0.015
289	1654	24.30	0.050	0.028	0.0031	0.053	0.055	0.015
289	1655	24.40	0.048	0.027	0.0030	0.051	0.053	0.015
289	1656	24.20	0.046	0.026	0.0029	0.050	0.051	0.015

RTI SUNLIGHT INTENSITY STUDY: USEPA CONTRACT NO. 68-02-2258 LUNAR DATE: 10-16-75 JULIAN DATE: 75289

JULIAN DATE	TIME (EST)	TEMP (°C)	NUB (PPM)	KIB (1/MIN)	UV (LANGLEYS/MIN)	TSR (LANGLEYS/MIN)	395 (LANGLEYS/MIN)	VIP (LANGLEYS/MIN)
289	1657	24.10	0.046	0.026	0.0028	0.047	0.049	0.015
289	1658	24.10	0.044	0.024	0.0026	0.045	0.046	0.015
289	1659	24.10	0.042	0.023	0.0026	0.044	0.046	0.015
289	1700	24.10	0.040	0.022	0.0025	0.042	0.044	0.015
289	1701	24.10	0.040	0.022	0.0024	0.041	0.044	0.019
289	1702	24.10	0.040	0.022	0.0023	0.039	0.042	0.015
289	1703	24.20	0.038	0.021	0.0023	0.039	0.040	0.015
289	1704	24.20	0.038	0.021	0.0022	0.038	0.040	0.015
289	1705	24.10	0.036	0.020	0.0020	0.036	0.038	0.015
289	1706	24.00	0.036	0.020	0.0020	0.035	0.038	0.015
289	1707	23.90	0.036	0.020	0.0019	0.032	0.035	0.015
289	1708	23.70	0.034	0.018	0.0018	0.030	0.033	0.015
289	1709	23.70	0.032	0.017	0.0018	0.030	0.033	0.015
289	1710	23.80	0.032	0.017	0.0018	0.027	0.031	0.015
289	1711	23.80	0.030	0.016	0.0017	0.027	0.031	0.015
289	1712	23.80	0.030	0.016	0.0016	0.026	0.029	0.015
289	1713	23.70	0.028	0.015	0.0016	0.023	0.027	0.015
289	1714	23.80	0.028	0.015	0.0015	0.023	0.024	0.010
289	1715	23.60	0.028	0.015	0.0014	0.021	0.024	0.015
289	1716	23.60	0.026	0.014	0.0014	0.021	0.024	0.015
289	1717	23.70	0.026	0.014	0.0013	0.021	0.024	0.015
289	1718	23.70	0.024	0.012	0.0012	0.020	0.024	0.015
289	1719	23.70	0.024	0.012	0.0011	0.018	0.022	0.015
289	1720	23.70	0.022	0.011	0.0011	0.017	0.020	0.015
289	1721	23.60	0.022	0.011	0.0010	0.017	0.020	0.015
289	1722	23.70	0.022	0.011	0.0010	0.015	0.018	0.015
289	1723	23.70	0.020	0.010	0.0010	0.014	0.018	0.015
289	1724	23.80	0.020	0.010	0.0009	0.014	0.018	0.019
289	1725	23.60	0.018	0.009	0.0008	0.012	0.015	0.015
289	1726	23.80	0.018	0.009	0.0007	0.011	0.013	0.015
289	1727	23.80	0.016	0.008	0.0006	0.009	0.013	0.015
289	1728	23.80	0.016	0.008	0.0006	0.008	0.011	0.015
289	1729	23.70	0.014	0.007	0.0005	0.008	0.011	0.015
289	1730	23.70	0.014	0.007	0.0004	0.008	0.011	0.015
289	1731	23.80	0.012	0.006	0.0004	0.006	0.011	0.019
289	1732	23.80	0.012	0.006	0.0004	0.006	0.011	0.015
289	1733	23.70	0.012	0.006	0.0004	0.005	0.009	0.015
289	1734	23.60	0.010	0.004	0.0003	0.005	0.009	0.015
289	1735	23.60	0.010	0.004	0.0002	0.003	0.009	0.015
289	1736	23.60	0.010	0.004	0.0002	0.003	0.007	0.015
289	1737	23.60	0.008	0.003	0.0001	0.003	0.007	0.019
289	1738	23.60	0.008	0.003	0.0001	0.002	0.007	0.019
289	1739	23.60	0.008	0.003	0.0001	0.002	0.007	0.015
289	1740	23.50	0.006	0.002	0.0001	0.002	0.007	0.015
289	1741	23.50	0.006	0.002	0.0001	0.002	0.007	0.015
289	1742	23.40	0.006	0.002	0.0	0.0	0.007	0.015

NTI SUNLIGHT INTENSITY STUDY: USEPA CONTRACT NO. 68-02-2258 LUNAR DATE: 10-20-75 JULIAN DATE: 75293

JULIAN DATE	TIME (EST)	TEMP (°C)	NUB (PPM)	NIR (L/MIN)	UV (LANGLEYS/MIN)	ISR (LANGLEYS/MIN)	395 (LANGLEYS/MIN)	VIP (LANGLEYS/MIN)
293	641	3.80	0.032	0.019	0.0004	0.020	0.031	0.019
293	642	3.80	0.034	0.020	0.0005	0.020	0.031	0.019
293	643	3.80	0.036	0.022	0.0007	0.023	0.035	0.015
293	644	3.80	0.038	0.023	0.0007	0.023	0.035	0.015
293	645	3.80	0.040	0.024	0.0008	0.024	0.035	0.015
293	646	3.80	0.040	0.024	0.0010	0.024	0.035	0.015
293	647	3.80	0.042	0.025	0.0010	0.026	0.035	0.015
293	648	3.90	0.044	0.027	0.0012	0.027	0.038	0.015
293	649	3.90	0.046	0.028	0.0013	0.029	0.040	0.015
293	650	3.90	0.048	0.029	0.0014	0.030	0.040	0.019
293	651	3.90	0.050	0.030	0.0015	0.030	0.040	0.015
293	652	3.80	0.052	0.032	0.0016	0.030	0.040	0.015
293	653	3.80	0.054	0.033	0.0018	0.032	0.042	0.019
293	654	3.90	0.056	0.034	0.0018	0.033	0.042	0.015
293	655	3.90	0.056	0.034	0.0020	0.033	0.044	0.019
293	656	3.90	0.060	0.037	0.0021	0.035	0.044	0.015
293	657	4.00	0.060	0.037	0.0023	0.038	0.046	0.015
293	658	4.10	0.062	0.038	0.0023	0.041	0.049	0.015
293	659	4.10	0.064	0.040	0.0026	0.041	0.049	0.019
293	700	4.10	0.066	0.041	0.0026	0.039	0.049	0.019
293	701	4.10	0.068	0.043	0.0028	0.041	0.049	0.019
293	702	4.10	0.070	0.044	0.0029	0.041	0.051	0.019
293	706	4.10	0.078	0.050	0.0035	0.063	0.069	0.034
293	707	4.10	0.080	0.051	0.0037	0.090	0.080	0.063
293	708	4.20	0.086	0.055	0.0037	0.093	0.080	0.087
293	709	4.30	0.090	0.058	0.0039	0.096	0.084	0.117
293	710	4.30	0.094	0.061	0.0040	0.104	0.091	0.160
293	711	4.40	0.096	0.063	0.0042	0.114	0.100	0.190
293	712	4.50	0.098	0.064	0.0044	0.125	0.128	0.190
293	713	4.60	0.100	0.066	0.0045	0.128	0.115	0.194
293	714	4.70	0.102	0.067	0.0048	0.135	0.144	0.194
293	715	4.80	0.104	0.069	0.0049	0.140	0.137	0.199
293	716	4.80	0.108	0.072	0.0051	0.144	0.150	0.204
293	717	4.90	0.110	0.073	0.0053	0.147	0.159	0.209
293	718	4.90	0.112	0.075	0.0064	0.152	0.166	0.194
293	719	4.90	0.114	0.076	0.0064	0.156	0.168	0.214
293	720	4.90	0.118	0.080	0.0065	0.161	0.175	0.219
293	721	5.00	0.122	0.083	0.0065	0.165	0.177	0.219
293	722	5.00	0.124	0.085	0.0067	0.170	0.179	0.228
293	723	5.10	0.126	0.086	0.0067	0.173	0.181	0.228
293	724	5.10	0.130	0.089	0.0068	0.177	0.186	0.233
293	725	5.30	0.132	0.091	0.0069	0.183	0.190	0.238
293	726	5.30	0.134	0.093	0.0070	0.185	0.192	0.238
293	727	5.40	0.136	0.094	0.0071	0.192	0.199	0.248
293	728	5.40	0.138	0.096	0.0072	0.194	0.201	0.248
293	729	5.40	0.140	0.096	0.0075	0.197	0.204	0.253
293	730	5.50	0.140	0.098	0.0076	0.200	0.208	0.258
293	731	5.60	0.143	0.101	0.0078	0.206	0.212	0.267
293	732	5.60	0.147	0.105	0.0079	0.211	0.217	0.539
293	733	5.80	0.149	0.107	0.0080	0.217	0.223	0.768
293	734	5.80	0.151	0.108	0.0083	0.305	0.223	0.777
293	735	5.90	0.155	0.112	0.0057	0.227	0.230	0.787

KII SUNLIGHT INTENSITY STUDY: USEPA CONTRACT NO. 68-02-2258 LUNAR DATE: 10-20-75 JULIAN DATE: 75293

JULIAN DATE	TIME (EST)	TEMP (°C)	NDB (PPM)	KIB (1/MIN)	UV (LANGLEYS/MIN)	TSR (LANGLEYS/MIN)	395 (LANGLEYS/MIN)	NIP (LANGLEYS/MIN)
293	736	5.90	0.157	0.114	0.0092	0.230	0.235	0.792
293	737	5.90	0.159	0.116	0.0094	0.236	0.239	0.797
293	738	6.00	0.163	0.119	0.0097	0.239	0.241	0.802
293	739	6.10	0.165	0.121	0.0099	0.244	0.248	0.811
293	740	6.30	0.169	0.125	0.0101	0.247	0.250	0.816
293	741	6.30	0.171	0.127	0.0104	0.253	0.254	0.821
293	742	6.30	0.173	0.129	0.0106	0.257	0.259	0.821
293	743	6.30	0.177	0.133	0.0109	0.262	0.263	0.831
293	744	6.30	0.177	0.133	0.0111	0.268	0.268	0.836
293	745	6.40	0.181	0.136	0.0113	0.272	0.270	0.841
293	746	6.50	0.183	0.138	0.0114	0.277	0.277	0.845
293	747	6.60	0.185	0.140	0.0117	0.283	0.283	0.850
293	748	6.60	0.187	0.142	0.0118	0.287	0.288	0.860
293	749	6.70	0.187	0.142	0.0121	0.292	0.292	0.865
293	750	6.80	0.191	0.147	0.0122	0.296	0.294	0.870
293	751	6.90	0.193	0.149	0.0124	0.302	0.301	0.875
293	752	6.90	0.195	0.151	0.0126	0.305	0.303	0.875
293	753	7.00	0.197	0.153	0.0128	0.311	0.310	0.879
293	754	7.00	0.201	0.157	0.0130	0.316	0.312	0.884
293	755	7.10	0.203	0.159	0.0132	0.319	0.316	0.884
293	756	7.10	0.205	0.161	0.0134	0.323	0.319	0.889
293	757	7.20	0.207	0.163	0.0136	0.326	0.321	0.894
293	758	7.30	0.209	0.165	0.0137	0.332	0.327	0.894
293	800	7.40	0.211	0.168	0.0142	0.340	0.334	0.904
293	801	7.40	0.215	0.172	0.0143	0.344	0.338	0.904
293	802	7.40	0.213	0.170	0.0145	0.347	0.341	0.899
293	803	7.50	0.217	0.174	0.0148	0.355	0.347	0.918
293	804	7.60	0.219	0.176	0.0151	0.359	0.352	0.923
293	805	7.60	0.219	0.176	0.0153	0.364	0.354	0.923
293	916	12.10	0.295	0.275	0.0307	0.677	0.642	1.108
293	917	12.10	0.295	0.275	0.0306	0.678	0.642	1.108
293	918	12.30	0.297	0.278	0.0310	0.683	0.648	1.108
293	919	12.20	0.297	0.278	0.0313	0.689	0.653	1.113
293	920	12.30	0.297	0.278	0.0315	0.692	0.655	1.118
293	921	12.40	0.299	0.281	0.0317	0.695	0.657	1.113
293	922	12.50	0.301	0.284	0.0319	0.698	0.662	1.113
293	923	12.40	0.301	0.284	0.0322	0.702	0.664	1.122
293	924	12.40	0.303	0.287	0.0325	0.708	0.670	1.127
293	925	12.60	0.303	0.287	0.0326	0.711	0.675	1.127
293	926	12.70	0.303	0.287	0.0328	0.716	0.679	1.132
293	927	12.80	0.303	0.287	0.0329	0.717	0.681	1.132
293	928	12.80	0.305	0.290	0.0332	0.725	0.686	1.137
293	930	12.90	0.305	0.290	0.0335	0.729	0.690	1.132
293	931	12.80	0.307	0.293	0.0337	0.732	0.692	1.118
293	932	12.90	0.307	0.293	0.0338	0.734	0.695	1.132
293	933	13.00	0.305	0.290	0.0341	0.740	0.701	1.142
293	934	13.10	0.307	0.294	0.0344	0.745	0.704	1.142
293	935	13.20	0.307	0.294	0.0346	0.747	0.708	1.142
293	936	13.20	0.309	0.297	0.0348	0.750	0.710	1.137
293	937	13.30	0.309	0.297	0.0348	0.752	0.710	1.132
293	938	13.20	0.309	0.297	0.0351	0.756	0.717	1.137
293	939	13.10	0.311	0.300	0.0352	0.759	0.719	1.132

nTI Sunlight Intensity Study: USEPA Contract No. 68-02-2258 Lunar Date: 10-20-75 Julian Date: 75293

Julian Date	Time (EST)	Temp (°C)	NOB (PPM)	KIB (1/MIN)	UV (LANGLEYS/MIN)	TSR (LANGLEYS/MIN)	395 (LANGLEYS/MIN)	VIP (LANGLEYS/MIN)
293	940	13.30	0.311	0.300	0.0352	0.759	0.719	1.127
293	941	13.40	0.311	0.300	0.0357	0.767	0.726	1.142
293	942	13.40	0.311	0.300	0.0360	0.771	0.732	1.147
293	943	13.40	0.313	0.303	0.0360	0.773	0.732	1.142
293	944	13.40	0.313	0.303	0.0360	0.777	0.741	1.137
293	945	13.50	0.317	0.309	0.0363	0.779	0.739	1.142
293	946	13.60	0.315	0.306	0.0365	0.782	0.739	1.142
293	947	13.60	0.315	0.306	0.0368	0.786	0.743	1.142
293	948	13.50	0.313	0.303	0.0370	0.791	0.748	1.152
293	949	13.60	0.315	0.306	0.0371	0.794	0.757	1.147
293	950	13.60	0.315	0.306	0.0372	0.795	0.752	1.147
293	951	13.80	0.317	0.309	0.0374	0.797	0.754	1.147
293	952	13.80	0.315	0.306	0.0375	0.802	0.757	1.147
293	953	13.90	0.317	0.309	0.0376	0.805	0.761	1.147
293	954	13.90	0.317	0.309	0.0379	0.809	0.763	1.147
293	955	13.80	0.317	0.309	0.0379	0.809	0.763	1.142
293	956	13.80	0.317	0.309	0.0382	0.815	0.770	1.147
293	957	13.70	0.317	0.309	0.0380	0.812	0.768	1.137
293	959	13.70	0.317	0.309	0.0386	0.827	0.779	1.152
293	1000	13.80	0.317	0.309	0.0389	0.827	0.779	1.152
293	1001	13.60	0.319	0.313	0.0392	0.833	0.785	1.156
293	1002	13.80	0.323	0.319	0.0393	0.836	0.788	1.156
293	1003	13.80	0.323	0.319	0.0395	0.838	0.790	1.156
293	1004	13.90	0.323	0.319	0.0395	0.839	0.792	1.156
293	1005	13.90	0.323	0.319	0.0395	0.838	0.790	1.152
293	1006	14.00	0.321	0.316	0.0395	0.838	0.793	1.147
293	1007	14.20	0.323	0.319	0.0401	0.847	0.799	1.156
293	1008	14.10	0.323	0.319	0.0402	0.850	0.803	1.161
293	1009	14.20	0.325	0.323	0.0403	0.850	0.803	1.156
293	1010	14.20	0.323	0.319	0.0405	0.856	0.808	1.161
293	1011	14.20	0.323	0.319	0.0408	0.860	0.810	1.166
293	1012	14.30	0.325	0.323	0.0410	0.865	0.816	1.171
293	1013	14.30	0.325	0.323	0.0411	0.866	0.816	1.171
293	1014	14.20	0.325	0.323	0.0412	0.869	0.819	1.171
293	1015	14.30	0.327	0.326	0.0414	0.872	0.821	1.171
293	1016	14.50	0.329	0.329	0.0416	0.875	0.825	1.176
293	1017	14.60	0.327	0.326	0.0416	0.875	0.825	1.176
293	1018	14.90	0.325	0.323	0.0417	0.877	0.827	1.176
293	1019	15.00	0.327	0.326	0.0422	0.884	0.834	1.186
293	1020	15.10	0.327	0.326	0.0420	0.883	0.832	1.181
293	1021	15.10	0.327	0.326	0.0419	0.880	0.830	1.171
293	1022	15.30	0.327	0.326	0.0425	0.892	0.841	1.186
293	1023	15.30	0.325	0.323	0.0425	0.892	0.838	1.176
293	1024	15.30	0.327	0.326	0.0427	0.896	0.843	1.176
293	1026	15.60	0.329	0.330	0.0429	0.899	0.845	1.176
293	1027	15.00	0.329	0.330	0.0390	0.802	0.746	0.957
293	1028	15.10	0.329	0.330	0.0432	0.908	0.854	1.181
293	1029	15.10	0.325	0.323	0.0433	0.907	0.854	1.176
293	1030	15.30	0.329	0.330	0.0436	0.911	0.858	1.181
293	1031	15.30	0.329	0.330	0.0436	0.911	0.856	1.181
293	1032	15.30	0.329	0.330	0.0436	0.911	0.856	1.176
293	1033	15.30	0.331	0.333	0.0439	0.917	0.863	1.181

MII SUNLIGHT INTENSITY STUDY: USEPA CONTRACT NO. 68-02-2258 LUNAR DATE: 10-20-75 JULIAN DATE: 75293

JULIAN DATE	TIME (EST)	TEMP (°C)	NUB (PPM)	KIB (I/MIN)	UV (LANGLEYS/MIN)	TSR (LANGLEYS/MIN)	595 (LANGLEYS/MIN)	VIP (LANGLEYS/MIN)
293	1034	15.40	0.329	0.330	0.0442	0.923	0.869	1.186
293	1035	15.30	0.329	0.330	0.0442	0.922	0.867	1.181
293	1036	15.00	0.331	0.333	0.0444	0.928	0.872	1.186
293	1037	15.00	0.333	0.336	0.0444	0.929	0.874	1.186
293	1038	15.00	0.331	0.333	0.0447	0.935	0.878	1.186
293	1039	15.20	0.331	0.333	0.0447	0.934	0.876	1.186
293	1040	15.10	0.331	0.333	0.0447	0.934	0.876	1.181
293	1041	15.30	0.331	0.333	0.0445	0.931	0.874	1.171
293	1042	15.30	0.331	0.333	0.0446	0.932	0.876	1.176
293	1043	15.30	0.331	0.333	0.0451	0.938	0.883	1.186
293	1044	15.30	0.331	0.333	0.0450	0.940	0.883	1.181
293	1045	15.30	0.333	0.336	0.0451	0.938	0.883	1.176
293	1046	15.30	0.333	0.336	0.0452	0.944	0.887	1.176
293	1047	15.10	0.331	0.333	0.0457	0.955	0.896	1.186
293	1048	15.30	0.333	0.336	0.0309	0.290	0.261	0.199
293	1049	15.40	0.335	0.340	0.0457	0.952	0.894	1.190
293	1050	15.40	0.325	0.323	0.0459	0.956	0.898	1.195
293	1051	15.30	0.333	0.336	0.0459	0.956	0.896	1.190
293	1052	15.40	0.333	0.336	0.0459	0.955	0.896	1.190
293	1053	15.60	0.333	0.337	0.0461	0.959	0.900	1.200
293	1054	15.60	0.335	0.340	0.0462	0.961	0.900	1.200
293	1055	15.60	0.333	0.337	0.0464	0.964	0.905	1.200
293	1056	15.50	0.333	0.337	0.0465	0.967	0.907	1.195
293	1057	15.40	0.333	0.336	0.0470	0.979	0.918	1.200
293	1058	15.30	0.335	0.340	0.0469	0.983	0.923	1.186
293	1059	15.40	0.335	0.340	0.0465	0.971	0.909	1.186
293	1100	15.40	0.333	0.336	0.0466	0.967	0.905	1.186
293	1101	15.30	0.333	0.336	0.0469	0.971	0.909	1.195
293	1102	15.50	0.333	0.336	0.0469	0.974	0.914	1.200
293	1103	15.30	0.335	0.340	0.0466	0.976	0.916	1.200
293	1104	15.60	0.335	0.340	0.0466	0.970	0.912	1.195
293	1105	15.90	0.335	0.340	0.0470	0.974	0.914	1.195
293	1106	15.70	0.335	0.340	0.0470	0.976	0.914	1.190
293	1107	15.70	0.331	0.333	0.0477	0.986	0.925	1.205
293	1108	15.60	0.333	0.337	0.0476	0.985	0.923	1.200
293	1109	15.60	0.333	0.337	0.0477	0.991	0.927	1.200
293	1110	15.80	0.337	0.344	0.0474	0.988	0.925	1.195
293	1111	15.80	0.337	0.344	0.0480	0.995	0.934	1.205
293	1112	15.80	0.337	0.344	0.0476	0.991	0.927	1.190
293	1113	15.90	0.333	0.337	0.0478	0.992	0.931	1.195
293	1114	16.00	0.335	0.340	0.0476	1.002	0.938	1.176
293	1115	16.10	0.331	0.333	0.0491	1.026	0.960	1.215
293	1116	16.10	0.337	0.344	0.0499	1.042	0.978	1.229
293	1117	16.00	0.339	0.347	0.0467	0.967	0.907	1.108
293	1118	16.00	0.335	0.340	0.0487	1.014	0.949	1.215
293	1119	16.00	0.335	0.340	0.0487	1.008	0.942	1.215
293	1120	16.00	0.337	0.344	0.0486	1.006	0.942	1.215
293	1121	16.20	0.335	0.340	0.0482	1.000	0.936	1.205
293	1122	16.20	0.335	0.340	0.0488	1.012	0.947	1.220
293	1123	16.30	0.335	0.340	0.0493	1.023	0.958	1.224
293	1124	16.30	0.335	0.340	0.0490	1.027	0.962	1.210
293	1125	16.50	0.337	0.344	0.0388	0.561	0.527	0.637

MRI SUNLIGHT INTENSITY STUDY: USEPA CONTRACT NO. 68-02-2258 LUNAR DATE: 10-20-75 JULIAN DATE: 75293

JULIAN DATE	TIME (EST)	TEMP (°C)	NOB (PPM)	KIB (1/MIN)	UV (LANGLEYS/MIN)	TSR (LANGLEYS/MIN)	395 (LANGLEYS/MIN)	VIP (LANGLEYS/MIN)
293	1126	16.40	0.325	0.323	0.0499	1.006	0.949	1.195
293	1127	16.50	0.327	0.327	0.0496	1.039	0.971	1.220
293	1128	16.10	0.339	0.347	0.0496	1.045	0.978	1.210
293	1129	16.00	0.339	0.347	0.0352	0.376	0.354	0.398
293	1130	16.00	0.307	0.295	0.0296	0.271	0.243	0.019
293	1131	16.10	0.289	0.268	0.0377	0.564	0.531	0.520
293	1132	16.10	0.325	0.320	0.0510	1.098	1.031	1.205
293	1133	16.40	0.339	0.347	0.0512	1.099	1.029	1.224
293	1134	16.40	0.343	0.354	0.0312	0.322	0.294	0.068
293	1135	16.30	0.313	0.304	0.0514	1.126	1.055	1.224
293	1136	16.30	0.313	0.304	0.0363	0.641	0.544	0.423
293	1137	16.30	0.311	0.301	0.0515	1.120	1.051	1.215
293	1138	16.40	0.339	0.347	0.0523	1.171	1.097	1.215
293	1139	16.50	0.335	0.340	0.0399	0.701	0.635	0.534
293	1140	16.30	0.309	0.298	0.0513	1.035	0.978	1.156
293	1141	16.40	0.325	0.323	0.0516	1.122	1.049	1.205
293	1142	16.40	0.343	0.354	0.0532	1.168	1.093	1.224
293	1143	16.40	0.347	0.361	0.0525	1.155	1.084	1.205
293	1144	16.60	0.349	0.365	0.0527	1.176	1.102	1.215
293	1145	16.60	0.347	0.362	0.0525	1.182	1.106	1.215
293	1146	16.50	0.345	0.358	0.0480	0.979	0.905	0.996
293	1147	16.60	0.319	0.314	0.0518	1.165	1.091	1.215
293	1148	16.80	0.341	0.351	0.0522	1.153	1.080	1.220
293	1149	16.90	0.343	0.354	0.0534	1.189	1.113	1.229
293	1150	16.60	0.347	0.362	0.0534	1.209	1.135	1.210
293	1151	17.00	0.345	0.358	0.0533	1.224	1.148	1.215
293	1152	17.30	0.343	0.355	0.0527	1.177	1.106	1.190
293	1153	17.10	0.337	0.344	0.0520	1.126	1.055	1.215
293	1154	17.10	0.343	0.355	0.0504	1.053	0.989	1.132
293	1155	17.20	0.333	0.337	0.0514	1.099	1.027	1.210
293	1156	17.00	0.339	0.347	0.0508	1.084	1.011	1.205
293	1157	17.00	0.341	0.351	0.0513	1.077	1.004	1.220
293	1158	16.90	0.341	0.351	0.0506	1.060	0.989	1.205
293	1159	16.90	0.341	0.351	0.0506	1.059	0.987	1.195
293	1200	16.90	0.331	0.334	0.0511	1.054	0.982	1.224
293	1201	17.00	0.337	0.344	0.0508	1.050	0.976	1.215
293	1202	17.00	0.341	0.351	0.0510	1.062	0.991	1.215
293	1203	17.00	0.341	0.351	0.0325	0.334	0.308	0.151
293	1204	16.90	0.325	0.324	0.0450	0.893	0.816	0.816
293	1205	16.80	0.315	0.307	0.0291	0.289	0.259	0.024
293	1206	16.60	0.297	0.280	0.0279	0.263	0.235	0.019
293	1207	16.50	0.261	0.230	0.0279	0.239	0.212	0.015
293	1208	16.50	0.247	0.212	0.0395	0.517	0.535	0.403
293	1209	16.40	0.283	0.259	0.0455	0.794	0.772	0.739
293	1210	16.20	0.307	0.295	0.0304	0.262	0.228	0.053
293	1211	16.20	0.293	0.278	0.0506	1.056	0.982	1.205
293	1212	16.50	0.327	0.327	0.0504	1.053	0.980	1.200
293	1213	16.40	0.339	0.347	0.0513	1.063	0.991	1.224
293	1214	16.50	0.343	0.354	0.0511	1.056	0.982	1.224
293	1215	16.70	0.345	0.356	0.0510	1.053	0.980	1.224
293	1216	16.70	0.343	0.354	0.0507	1.044	0.971	1.2[illegible]
293	1217	16.60	0.341	0.351	0.0507	1.041	0.969	1.220

RTI SUNLIGHT INTENSITY STUDY: USEPA CONTRACT NO. 68-02-2258 LUNAR DATE: 10-20-75 JULIAN DATE: 75293

JULIAN DATE	TIME (EST)	TEMP (°C)	NOB (PPM)	KIB (1/MIN)	UV (LANGLEYS/MIN)	TSR (LANGLEYS/MIN)	395 (LANGLEYS/MIN)	VIP (LANGLEYS/MIN)
293	1218	16.70	0.341	0.351	0.0504	1.033	0.962	1.215
293	1219	16.90	0.339	0.347	0.0504	1.036	0.965	1.215
293	1220	17.10	0.339	0.348	0.0504	1.044	0.973	1.205
293	1221	17.30	0.341	0.351	0.0505	1.054	0.982	1.215
293	1222	17.30	0.341	0.351	0.0509	1.054	0.982	1.229
293	1223	17.20	0.339	0.348	0.0504	1.048	0.978	1.215
293	1224	17.50	0.339	0.348	0.0510	1.066	0.996	1.220
293	1225	17.50	0.341	0.351	0.0497	1.072	1.002	1.190
293	1226	17.60	0.337	0.344	0.0303	0.289	0.263	0.049
293	1227	17.70	0.309	0.298	0.0501	1.090	1.018	1.200
293	1228	17.80	0.325	0.324	0.0501	1.072	1.002	1.205
293	1229	17.80	0.333	0.337	0.0359	0.547	0.482	0.350
293	1230	17.40	0.323	0.321	0.0292	0.254	0.228	0.019
293	1231	17.40	0.271	0.243	0.0504	1.095	1.020	1.210
293	1232	17.10	0.309	0.298	0.0502	1.089	1.013	1.200
293	1233	17.30	0.333	0.337	0.0501	1.087	1.013	1.205
293	1234	17.10	0.335	0.341	0.0318	0.347	0.319	0.155
293	1235	17.10	0.319	0.314	0.0296	0.271	0.241	0.024
293	1236	17.10	0.265	0.235	0.0491	1.068	0.996	1.161
293	1237	17.10	0.317	0.311	0.0502	1.092	1.018	1.190
293	1238	17.00	0.333	0.337	0.0497	1.099	1.027	1.190
293	1239	17.00	0.337	0.344	0.0328	0.376	0.345	0.136
293	1240	17.10	0.299	0.283	0.0501	1.090	1.015	1.195
293	1241	17.10	0.319	0.314	0.0499	1.074	1.000	1.200
293	1242	17.30	0.333	0.337	0.0463	0.910	0.852	1.025
293	1243	17.10	0.333	0.337	0.0281	0.233	0.206	0.015
293	1244	17.10	0.273	0.246	0.0498	1.092	1.018	1.195
293	1245	17.00	0.309	0.298	0.0319	0.335	0.301	0.097
293	1246	17.00	0.299	0.283	0.0322	0.392	0.343	0.219
293	1247	16.80	0.277	0.251	0.0395	0.568	0.524	0.510
293	1248	16.90	0.291	0.271	0.0448	0.938	0.858	1.025
293	1249	17.00	0.297	0.280	0.0460	0.980	0.900	1.064
293	1250	17.10	0.323	0.320	0.0448	0.893	0.808	1.025
293	1251	17.10	0.333	0.337	0.0489	1.029	0.958	1.195
293	1252	17.30	0.335	0.341	0.0484	1.021	0.951	1.186
293	1253	17.40	0.335	0.341	0.0486	1.030	0.960	1.186
293	1254	17.50	0.335	0.341	0.0482	1.045	0.976	1.186
293	1255	17.50	0.335	0.341	0.0444	0.905	0.847	0.967
293	1256	17.60	0.329	0.331	0.0448	0.953	0.898	1.098
293	1257	17.50	0.317	0.311	0.0480	1.050	0.978	1.186
293	1258	17.60	0.327	0.327	0.0488	1.053	0.980	1.195
293	1259	17.70	0.333	0.337	0.0484	1.027	0.956	1.195
293	1300	17.80	0.335	0.341	0.0480	1.011	0.940	1.190
293	1301	17.50	0.335	0.341	0.0478	1.003	0.931	1.186
293	1302	17.60	0.331	0.334	0.0480	1.005	0.934	1.190
293	1303	17.80	0.333	0.337	0.0480	1.014	0.942	1.190
293	1304	17.70	0.333	0.337	0.0486	1.030	0.960	1.200
293	1305	17.70	0.335	0.341	0.0481	1.036	0.967	1.186
293	1306	17.80	0.335	0.341	0.0480	1.054	0.985	1.176
293	1307	17.80	0.333	0.337	0.0476	1.042	0.973	1.166
293	1308	17.90	0.335	0.341	0.0472	1.023	0.954	1.156
293	1309	17.90	0.333	0.337	0.0474	1.047	0.971	1.156

ATI SUNLIGHT INTENSITY STUDY: USEPA CONTRACT NO. 68-02-2258 LUNAR DATE: 10-20-75 JULIAN DATE: 75293

JULIAN DATE	TIME (EST)	TEMP (°C)	NOB (PPM)	AIB (1/MIN)	UV (LANGLEYS/MIN)	TSR (LANGLEYS/MIN)	395 (LANGLEYS/MIN)	VIP (LANGLEYS/MIN)
293	1310	17.90	0.335	0.341	0.0342	0.457	0.425	0.228
293	1311	17.80	0.315	0.308	0.0278	0.260	0.232	0.015
293	1312	17.80	0.271	0.243	0.0482	1.074	1.000	1.186
293	1313	17.90	0.263	0.233	0.0474	1.042	0.971	1.171
293	1314	17.90	0.319	0.314	0.0474	1.038	0.967	1.171
293	1315	17.90	0.331	0.334	0.0471	1.027	0.958	1.161
293	1316	17.90	0.335	0.341	0.0472	1.029	0.960	1.176
293	1317	18.00	0.333	0.338	0.0467	1.021	0.951	1.181
293	1318	18.00	0.331	0.334	0.0457	1.000	0.934	1.166
293	1319	18.30	0.331	0.334	0.0458	0.997	0.927	1.166
293	1320	18.20	0.327	0.327	0.0456	0.992	0.923	1.161
293	1321	18.00	0.327	0.327	0.0458	0.997	0.927	1.171
293	1322	18.00	0.327	0.327	0.0460	1.011	0.940	1.176
293	1323	18.10	0.327	0.327	0.0457	1.020	0.949	1.166
293	1324	18.00	0.327	0.327	0.0330	0.501	0.449	0.292
293	1325	17.60	0.327	0.327	0.0267	0.262	0.235	0.015
293	1326	17.40	0.265	0.235	0.0262	0.244	0.215	0.015
293	1327	17.30	0.243	0.207	0.0314	0.385	0.356	0.199
293	1328	17.40	0.243	0.208	0.0447	0.988	0.920	1.147
293	1329	17.50	0.307	0.295	0.0455	0.994	0.925	1.156
293	1330	17.60	0.327	0.327	0.0455	0.995	0.927	1.156
293	1331	17.80	0.333	0.337	0.0458	1.006	0.938	1.166
293	1332	17.90	0.331	0.334	0.0455	1.008	0.938	1.152
293	1333	18.10	0.331	0.334	0.0454	1.011	0.942	1.152
293	1334	18.20	0.331	0.334	0.0425	0.925	0.865	1.016
293	1335	18.30	0.327	0.328	0.0447	1.003	0.936	1.147
293	1336	18.30	0.325	0.324	0.0442	0.991	0.925	1.147
293	1337	18.10	0.329	0.331	0.0278	0.268	0.239	0.029
293	1338	18.10	0.315	0.308	0.0433	0.973	0.905	1.113
293	1339	17.90	0.295	0.277	0.0271	0.265	0.237	0.019
293	1340	17.70	0.267	0.238	0.0279	0.275	0.248	0.019
293	1341	17.70	0.243	0.208	0.0439	1.012	0.942	1.132
293	1342	17.80	0.295	0.277	0.0445	1.042	0.971	1.147
293	1343	17.90	0.319	0.314	0.0346	0.635	0.582	0.418
293	1344	17.90	0.319	0.314	0.0322	0.603	0.531	0.452
293	1345	18.10	0.315	0.308	0.0423	0.989	0.923	1.132
293	1346	18.30	0.305	0.292	0.0422	0.986	0.920	1.132
293	1347	18.10	0.311	0.302	0.0381	0.827	0.770	0.938
293	1348	18.20	0.315	0.308	0.0417	0.979	0.914	1.132
293	1349	18.30	0.311	0.302	0.0415	0.974	0.912	1.122
293	1350	18.30	0.313	0.305	0.0315	0.481	0.434	0.258
293	1351	18.20	0.299	0.283	0.0285	0.356	0.323	0.087
293	1352	18.30	0.281	0.257	0.0276	0.313	0.283	0.029
293	1353	18.10	0.255	0.223	0.0313	0.508	0.460	0.253
293	1354	18.10	0.281	0.230	0.0276	0.337	0.308	0.039
293	1355	17.90	0.261	0.230	0.0399	0.977	0.914	1.098
293	1356	18.00	0.265	0.236	0.0371	0.859	0.801	0.865
293	1357	17.90	0.299	0.283	0.0376	0.898	0.838	0.914
293	1358	18.00	0.287	0.266	0.0257	0.319	0.292	0.024
293	1359	17.90	0.271	0.244	0.0246	0.283	0.257	0.019
293	1400	17.80	0.245	0.210	0.0244	0.277	0.250	0.015
293	1401	17.80	0.229	0.191	0.0243	0.265	0.239	0.015

RTI SUNLIGHT INTENSITY STUDY: USEPA CONTRACT NO. 68-02-2258 LUNAR DATE: 10-20-75 JULIAN DATE: 75293

JULIAN DATE	TIME (EST)	TEMP (°C)	NOR (PPM)	RIR (1/MIN)	UV (LANGLEYS/MIN)	TSR (LANGLEYS/MIN)	395 (LANGLEYS/MIN)	NIP (LANGLEYS/MIN)
293	1402	17.50	0.225	0.186	0.0243	0.257	0.230	0.015
293	1403	17.60	0.221	0.182	0.0376	0.913	0.852	1.050
293	1404	17.60	0.229	0.191	0.0390	0.952	0.887	1.093
293	1405	17.80	0.291	0.271	0.0365	0.839	0.779	0.909
293	1406	17.80	0.307	0.295	0.0365	0.859	0.803	0.977
293	1407	17.80	0.293	0.274	0.0274	0.331	0.301	0.087
293	1408	17.90	0.299	0.283	0.0376	0.880	0.821	1.059
293	1409	17.90	0.279	0.254	0.0382	0.893	0.834	1.084
293	1410	17.90	0.297	0.280	0.0376	0.886	0.827	1.079
293	1433	18.50	0.293	0.275	0.0330	0.856	0.801	1.025
293	1434	18.40	0.293	0.275	0.0317	0.826	0.772	1.001
293	1435	18.60	0.283	0.260	0.0240	0.346	0.310	0.131
293	1436	18.50	0.279	0.255	0.0254	0.385	0.361	0.316
293	1437	18.50	0.239	0.203	0.0224	0.232	0.210	0.019
293	1438	18.50	0.225	0.187	0.0307	0.771	0.717	1.020
293	1439	18.50	0.223	0.184	0.0313	0.783	0.730	1.035
293	1440	18.60	0.265	0.236	0.0313	0.795	0.741	1.035
293	1441	18.70	0.277	0.252	0.0313	0.797	0.743	1.035
293	1442	18.70	0.283	0.260	0.0308	0.797	0.746	1.020
293	1443	18.90	0.285	0.263	0.0301	0.791	0.737	0.998
293	1444	18.90	0.281	0.258	0.0284	0.740	0.673	0.753
293	1445	18.60	0.269	0.241	0.0232	0.356	0.332	0.126
293	1446	18.60	0.243	0.208	0.0219	0.317	0.294	0.015
293	1447	18.60	0.223	0.184	0.0213	0.298	0.274	0.015
293	1448	18.50	0.213	0.173	0.0211	0.280	0.257	0.010
293	1449	18.40	0.207	0.167	0.0207	0.259	0.237	0.010
293	1450	18.30	0.205	0.162	0.0207	0.257	0.235	0.015
293	1451	18.30	0.201	0.160	0.0208	0.253	0.230	0.015
293	1452	18.10	0.201	0.160	0.0268	0.699	0.650	0.928
293	1453	18.20	0.207	0.167	0.0254	0.552	0.509	0.578
293	1454	18.20	0.247	0.213	0.0283	0.717	0.668	0.996
293	1455	18.20	0.261	0.230	0.0268	0.627	0.582	0.802
293	1456	18.10	0.269	0.241	0.0246	0.447	0.416	0.471
293	1457	18.10	0.267	0.238	0.0219	0.254	0.232	0.063
293	1458	18.10	0.251	0.218	0.0262	0.632	0.588	0.845
293	1459	18.10	0.231	0.193	0.0200	0.662	0.617	0.923
293	1500	18.20	0.247	0.213	0.0256	0.501	0.476	0.719
293	1501	18.10	0.257	0.225	0.0265	0.644	0.600	0.933
293	1502	18.30	0.257	0.225	0.0269	0.657	0.611	0.967
293	1503	18.30	0.263	0.233	0.0272	0.671	0.626	0.977
293	1504	18.30	0.265	0.236	0.0270	0.675	0.631	0.972
293	1505	18.30	0.267	0.238	0.0266	0.671	0.626	0.967
293	1506	18.50	0.267	0.238	0.0262	0.669	0.624	0.957
293	1507	18.60	0.265	0.236	0.0260	0.675	0.633	0.962
293	1508	18.60	0.263	0.233	0.0256	0.674	0.637	0.957
293	1509	18.80	0.261	0.231	0.0249	0.677	0.637	0.938
293	1510	18.80	0.259	0.228	0.0212	0.435	0.398	0.364
293	1511	18.70	0.245	0.210	0.0192	0.263	0.243	0.024
293	1512	18.60	0.219	0.180	0.0204	0.326	0.308	0.155
293	1513	18.50	0.205	0.164	0.0235	0.630	0.593	0.870
293	1514	18.40	0.221	0.182	0.0235	0.651	0.611	0.923
293	1515	18.40	0.239	0.203	0.0186	0.251	0.232	0.019

RTI SUNLIGHT INTENSITY STUDY: USEPA CONTRACT NO. 68-02-2258 LUNAR DATE: 10-20-75 JULIAN DATE: 75293

JULIAN DATE	TIME (EST)	TEMP (°C)	NOB (PPM)	RIB (1/MIN)	UV (LANGLEYS/MIN)	ISR (LANGLEYS/MIN)	395 (LANGLEYS/MIN)	VIP (LANGLEYS/MIN)
293	1516	18.50	0.243	0.208	0.0181	0.241	0.221	0.015
293	1517	18.10	0.209	0.169	0.0216	0.612	0.571	0.836
293	1518	18.30	0.197	0.156	0.0225	0.611	0.575	0.841
293	1519	18.40	0.217	0.178	0.0232	0.647	0.606	0.889
293	1520	18.40	0.237	0.201	0.0230	0.621	0.582	0.870
293	1521	18.40	0.243	0.208	0.0208	0.435	0.396	0.466
293	1522	18.40	0.243	0.208	0.0222	0.579	0.544	0.879
293	1523	18.50	0.235	0.198	0.0217	0.559	0.524	0.865
293	1524	18.40	0.237	0.201	0.0213	0.547	0.515	0.870
293	1525	18.50	0.235	0.198	0.0210	0.538	0.504	0.875
293	1526	18.50	0.233	0.196	0.0205	0.525	0.491	0.860
293	1527	18.30	0.231	0.194	0.0174	0.191	0.175	0.039
293	1528	18.30	0.229	0.191	0.0200	0.522	0.489	0.865
293	1529	18.40	0.219	0.180	0.0197	0.526	0.493	0.860
293	1530	18.40	0.221	0.182	0.0196	0.532	0.500	0.841
293	1531	18.40	0.225	0.187	0.0193	0.504	0.473	0.773
293	1532	18.40	0.223	0.184	0.0179	0.346	0.323	0.378
293	1533	18.40	0.221	0.182	0.0177	0.402	0.372	0.534
293	1534	18.40	0.211	0.171	0.0182	0.501	0.471	0.841
293	1535	18.40	0.213	0.173	0.0178	0.499	0.471	0.821
293	1536	18.40	0.211	0.171	0.0175	0.499	0.473	0.802
293	1537	18.40	0.209	0.169	0.0174	0.496	0.469	0.811
293	1538	18.40	0.209	0.169	0.0174	0.499	0.471	0.821
293	1539	18.40	0.209	0.169	0.0176	0.499	0.471	0.816
293	1540	18.40	0.211	0.171	0.0177	0.486	0.458	0.821
293	1541	18.40	0.209	0.169	0.0175	0.463	0.436	0.811
293	1542	18.40	0.209	0.169	0.0173	0.450	0.423	0.807
293	1543	18.40	0.207	0.167	0.0172	0.445	0.420	0.811
293	1544	18.40	0.205	0.164	0.0170	0.424	0.398	0.797
293	1545	18.40	0.205	0.164	0.0167	0.417	0.389	0.797
293	1546	18.40	0.203	0.162	0.0166	0.418	0.392	0.807
293	1547	18.50	0.203	0.162	0.0167	0.421	0.396	0.816
293	1548	18.50	0.203	0.162	0.0165	0.411	0.385	0.821
293	1549	18.40	0.203	0.162	0.0162	0.402	0.374	0.816
293	1550	18.30	0.203	0.162	0.0160	0.397	0.372	0.816
293	1551	18.10	0.199	0.158	0.0157	0.389	0.363	0.802
293	1552	18.10	0.199	0.158	0.0155	0.385	0.358	0.807
293	1553	18.10	0.197	0.156	0.0151	0.371	0.345	0.777
293	1554	18.10	0.193	0.152	0.0151	0.370	0.345	0.787
293	1555	18.10	0.193	0.152	0.0148	0.365	0.343	0.787
293	1556	18.20	0.191	0.150	0.0147	0.365	0.343	0.792
293	1557	18.10	0.189	0.148	0.0145	0.362	0.338	0.792
293	1558	18.10	0.189	0.148	0.0143	0.355	0.332	0.777
293	1559	18.20	0.187	0.146	0.0140	0.349	0.327	0.773
293	1600	18.00	0.185	0.144	0.0138	0.346	0.323	0.768
293	1601	18.00	0.183	0.142	0.0137	0.343	0.321	0.768
293	1602	18.00	0.179	0.138	0.0134	0.335	0.314	0.753
293	1603	18.00	0.177	0.136	0.0132	0.329	0.310	0.743
293	1604	18.00	0.175	0.134	0.0130	0.325	0.305	0.739
293	1605	18.00	0.173	0.132	0.0128	0.322	0.301	0.739
293	1606	18.10	0.171	0.130	0.0126	0.317	0.299	0.734
293	1607	18.00	0.171	0.130	0.0124	0.311	0.292	0.724

RTI SUNLIGHT INTENSITY STUDY: USEPA CONTRACT NO. 68-02-2258 LUNAR DATE: 10-20-75 JULIAN DATE: 75293

JULIAN DATE	TIME (EST)	TEMP (°C)	AOH (PPM)	KIM (1/MIN)	UV (LANGLEYS/MIN)	TSR (LANGLEYS/MIN)	395 (LANGLEYS/MIN)	VIP (LANGLEYS/MIN)
293	1608	18.00	0.167	0.126	0.0121	0.304	0.285	0.709
293	1609	17.90	0.165	0.124	0.0119	0.299	0.281	0.705
293	1610	17.90	0.163	0.122	0.0117	0.295	0.277	0.695
293	1611	17.90	0.161	0.120	0.0114	0.284	0.265	0.671
293	1612	17.90	0.157	0.117	0.0113	0.278	0.261	0.656
293	1613	17.90	0.155	0.115	0.0111	0.277	0.259	0.661
293	1614	17.90	0.153	0.113	0.0109	0.275	0.257	0.666
293	1615	17.80	0.153	0.113	0.0107	0.271	0.252	0.661
293	1616	17.80	0.151	0.111	0.0105	0.266	0.248	0.656
293	1617	17.80	0.149	0.109	0.0104	0.262	0.243	0.651
293	1618	17.80	0.145	0.106	0.0102	0.259	0.241	0.656
293	1619	17.80	0.143	0.104	0.0100	0.253	0.237	0.651
293	1620	17.80	0.141	0.104	0.0098	0.248	0.232	0.646
293	1621	17.80	0.140	0.101	0.0096	0.242	0.228	0.637
293	1622	17.80	0.138	0.099	0.0094	0.236	0.219	0.617
293	1623	17.80	0.136	0.097	0.0092	0.230	0.215	0.607
293	1624	17.80	0.134	0.095	0.0091	0.226	0.210	0.603
293	1625	17.70	0.132	0.094	0.0089	0.224	0.208	0.603
293	1626	17.70	0.130	0.092	0.0087	0.220	0.204	0.603
293	1627	17.60	0.128	0.090	0.0086	0.217	0.201	0.603
293	1628	17.60	0.126	0.089	0.0084	0.214	0.199	0.603
293	1629	17.60	0.124	0.087	0.0083	0.209	0.192	0.593
293	1630	17.60	0.122	0.085	0.0080	0.203	0.188	0.588
293	1631	17.60	0.120	0.084	0.0078	0.198	0.184	0.578
293	1632	17.50	0.118	0.082	0.0077	0.195	0.181	0.578
293	1633	17.50	0.114	0.079	0.0075	0.191	0.177	0.573
293	1634	17.50	0.114	0.079	0.0074	0.188	0.175	0.573
293	1635	17.50	0.112	0.077	0.0072	0.185	0.170	0.564
293	1636	17.50	0.110	0.076	0.0070	0.180	0.166	0.559
293	1637	17.40	0.108	0.074	0.0069	0.176	0.164	0.554
293	1638	17.40	0.104	0.071	0.0067	0.171	0.157	0.544
293	1639	17.40	0.102	0.069	0.0066	0.165	0.153	0.534
293	1640	17.40	0.100	0.068	0.0064	0.161	0.150	0.520
293	1641	17.40	0.098	0.066	0.0063	0.158	0.146	0.515
293	1642	17.40	0.096	0.065	0.0060	0.153	0.142	0.510
293	1643	17.40	0.094	0.063	0.0059	0.149	0.139	0.505
293	1644	17.40	0.092	0.062	0.0058	0.144	0.135	0.491
293	1645	17.40	0.088	0.059	0.0056	0.140	0.131	0.476
293	1646	17.30	0.088	0.059	0.0054	0.134	0.124	0.462
293	1647	17.30	0.084	0.056	0.0053	0.128	0.106	0.442
293	1649	17.10	0.080	0.053	0.0050	0.119	0.060	0.418
293	1650	17.10	0.078	0.051	0.0048	0.116	0.058	0.408
293	1651	17.10	0.076	0.050	0.0047	0.113	0.058	0.403
293	1652	17.10	0.074	0.048	0.0045	0.110	0.073	0.403
293	1653	16.90	0.072	0.047	0.0044	0.107	0.091	0.389
293	1654	16.90	0.070	0.045	0.0042	0.104	0.095	0.384
293	1655	16.90	0.068	0.044	0.0041	0.099	0.093	0.374
293	1656	16.90	0.066	0.043	0.0039	0.096	0.088	0.364
293	1657	16.80	0.066	0.042	0.0039	0.095	0.088	0.364
293	1658	16.80	0.062	0.040	0.0037	0.090	0.084	0.360
293	1659	16.70	0.062	0.040	0.0036	0.087	0.082	0.355
293	1700	16.60	0.060	0.038	0.0034	0.084	0.077	0.345

NII SUNLIGHT INTENSITY STUDY: USEPA CONTRACT NO. 68-02-2258 LUNAR DATE: 10-20-75 JULIAN DATE: 75293

JULIAN DATE	TIME (EST)	TEMP (°C)	NOB (PPM)	MIR (1/MIN)	UV (LANGLEYS/MIN)	TSR (LANGLEYS/MIN)	595 (LANGLEYS/MIN)	VIP (LANGLEYS/MIN)
293	1701	16.60	0.058	0.037	0.0033	0.081	0.075	0.340
293	1702	16.60	0.056	0.036	0.0031	0.078	0.071	0.335
293	1703	16.50	0.054	0.034	0.0030	0.075	0.069	0.326
293	1704	16.50	0.052	0.033	0.0029	0.072	0.066	0.321
293	1705	16.40	0.048	0.030	0.0029	0.068	0.064	0.306

KTI SUNLIGHT INTENSITY STUDY: USEPA CONTRACT NO. 68-02-2258 LUNAR DATE: 10-22-75 JULIAN DATE: 75295

JULIAN DATE	TIME (EST)	TEMP (°C)	NUV (PPM)	KIN (1/MIN)	UV (LANGLEYS/MIN)	TSR (LANGLEYS/MIN)	395 (LANGLEYS/MIN)	VIP (LANGLEYS/MIN)
295	632	4.90	0.010	0.005	0.0	0.011	0.018	0.019
295	633	4.90	0.010	0.005	0.0001	0.012	0.020	0.019
295	634	4.90	0.012	0.007	0.0001	0.012	0.020	0.015
295	635	4.80	0.012	0.007	0.0001	0.014	0.022	0.019
295	636	4.80	0.014	0.008	0.0002	0.015	0.022	0.019
295	637	4.80	0.016	0.009	0.0002	0.015	0.024	0.015
295	638	4.80	0.016	0.009	0.0003	0.017	0.024	0.015
295	639	4.90	0.018	0.011	0.0004	0.018	0.027	0.019
295	640	4.90	0.020	0.012	0.0005	0.020	0.027	0.019
295	641	4.90	0.020	0.012	0.0005	0.020	0.029	0.015
295	642	5.00	0.023	0.013	0.0006	0.020	0.027	0.015
295	643	5.00	0.025	0.015	0.0007	0.021	0.029	0.019
295	644	4.90	0.027	0.016	0.0008	0.023	0.031	0.019
295	645	4.90	0.029	0.018	0.0008	0.023	0.031	0.015
295	646	4.90	0.029	0.018	0.0010	0.024	0.031	0.015
295	647	4.90	0.031	0.019	0.0010	0.024	0.031	0.015
295	648	4.90	0.033	0.020	0.0011	0.026	0.033	0.015
295	649	4.80	0.035	0.022	0.0012	0.027	0.033	0.015
295	650	4.90	0.035	0.022	0.0013	0.027	0.035	0.015
295	651	4.90	0.037	0.023	0.0014	0.029	0.035	0.015
295	652	4.90	0.039	0.025	0.0015	0.030	0.035	0.019
295	653	5.00	0.041	0.026	0.0017	0.030	0.038	0.019
295	654	5.00	0.043	0.028	0.0018	0.032	0.038	0.019
295	655	5.10	0.045	0.029	0.0019	0.033	0.040	0.019
295	656	5.10	0.047	0.031	.0020	0.035	0.040	0.015
295	657	5.10	0.049	0.032	0.0021	0.035	0.040	0.015
295	658	5.10	0.051	0.034	0.0022	0.036	0.042	0.015
295	659	5.10	0.051	0.034	0.0023	0.036	0.042	0.019
295	700	5.10	0.055	0.037	0.0025	0.038	0.044	0.015
295	701	5.10	0.055	0.037	0.0026	0.039	0.044	0.019
295	702	5.10	0.057	0.038	0.0027	0.041	0.046	0.019
295	703	5.20	0.059	0.040	0.0029	0.041	0.046	0.024
295	704	5.20	0.061	0.041	0.0031	0.044	0.049	0.034
295	710	5.50	0.078	0.054	0.0038	0.050	0.058	0.287
295	711	5.60	0.082	0.057	0.0039	0.063	0.071	0.292
295	712	5.80	0.084	0.059	0.0041	0.072	0.077	0.292
295	713	5.80	0.088	0.062	0.0042	0.069	0.077	0.296
295	714	5.80	0.090	0.064	0.0043	0.083	0.106	0.301
295	715	5.90	0.090	0.064	0.0045	0.120	0.157	0.306
295	716	5.90	0.094	0.067	0.0047	0.143	0.184	0.311
295	717	5.90	0.096	0.069	0.0048	0.147	0.155	0.316
295	719	6.00	0.102	0.074	0.0052	0.153	0.157	0.326
295	720	6.00	0.105	0.076	0.0056	0.159	0.159	0.335
295	721	6.00	0.107	0.078	0.0057	0.164	0.164	0.345
295	722	6.00	0.109	0.080	0.0058	0.167	0.168	0.355
295	723	6.00	0.113	0.083	0.0061	0.171	0.173	0.374
295	724	6.10	0.115	0.085	0.0063	0.176	0.177	0.384
295	725	6.10	0.119	0.089	0.0064	0.180	0.184	0.403
295	726	6.10	0.121	0.091	0.0067	0.185	0.188	0.418
295	727	6.30	0.125	0.095	0.0069	0.189	0.192	0.432
295	728	6.40	0.127	0.097	0.0070	0.194	0.201	0.447
295	729	6.60	0.129	0.099	0.0072	0.200	0.206	0.471

RTI SUNLIGHT INTENSITY STUDY: USEPA CONTRACT NO. 68-02-2258 LUNAR DATE: 10-22-75 JULIAN DATE: 75295

JULIAN DATE	TIME (EST)	TEMP (°C)	NOR (PPM)	KIB (1/MIN)	UV (LANGLEYS/MIN)	ISR (LANGLEYS/MIN)	395 (LANGLEYS/MIN)	VIP (LANGLEYS/MIN)
295	730	6.70	0.131	0.100	0.0075	0.203	0.206	0.496
295	735	7.20	0.141	0.110	0.0085	0.227	0.230	0.855
295	736	7.30	0.146	0.115	0.0086	0.232	0.235	0.855
295	737	7.30	0.148	0.117	0.0088	0.236	0.239	0.860
295	738	7.40	0.150	0.119	0.0091	0.239	0.241	0.860
295	739	7.40	0.152	0.121	0.0092	0.244	0.250	0.865
295	740	7.50	0.154	0.123	0.0095	0.248	0.250	0.326
295	741	7.60	0.156	0.125	0.0097	0.254	0.254	0.884
295	742	7.60	0.160	0.129	0.0100	0.259	0.259	0.894
295	743	7.80	0.162	0.132	0.0102	0.265	0.265	0.909
295	744	7.90	0.166	0.136	0.0105	0.271	0.272	0.918
295	745	8.10	0.168	0.138	0.0107	0.275	0.274	0.923
295	746	8.10	0.172	0.143	0.0110	0.280	0.279	0.928
295	747	8.30	0.174	0.145	0.0112	0.284	0.283	0.928
295	748	8.50	0.176	0.147	0.0114	0.289	0.288	0.938
295	749	8.60	0.178	0.150	0.0116	0.293	0.292	0.943
295	750	8.80	0.180	0.152	0.0118	0.298	0.294	0.948
295	751	9.00	0.182	0.154	0.0121	0.302	0.299	0.957
295	752	9.10	0.187	0.159	0.0123	0.308	0.303	0.923
295	753	9.30	0.189	0.161	0.0125	0.313	0.308	0.962
295	754	9.30	0.189	0.161	0.0126	0.317	0.312	0.972
295	755	9.40	0.193	0.166	0.0129	0.323	0.319	0.972
295	756	9.50	0.195	0.169	0.0131	0.328	0.323	0.977
295	757	9.60	0.199	0.174	0.0133	0.332	0.325	0.986
295	758	9.70	0.199	0.174	0.0136	0.337	0.330	0.991
295	759	9.80	0.201	0.176	0.0138	0.343	0.334	0.996
295	A00	9.80	0.201	0.176	0.0140	0.346	0.338	0.996
295	A01	9.90	0.203	0.179	0.0142	0.350	0.343	1.006
295	A02	10.00	0.205	0.181	0.0144	0.355	0.345	1.006
295	A03	10.10	0.209	0.186	0.0146	0.359	0.350	1.011
295	A04	10.10	0.209	0.186	0.0149	0.365	0.356	1.020
295	A05	10.20	0.213	0.192	0.0151	0.371	0.361	1.020
295	A06	10.30	0.215	0.194	0.0153	0.373	0.363	1.020
295	A07	10.30	0.217	0.197	0.0156	0.379	0.367	1.035
295	A08	10.40	0.217	0.197	0.0159	0.385	0.372	1.035
295	A09	10.50	0.219	0.200	0.0160	0.388	0.376	1.035
295	A10	10.60	0.221	0.202	0.0163	0.394	0.381	1.040
295	A11	10.60	0.223	0.205	0.0165	0.398	0.385	1.050
295	A12	10.80	0.225	0.208	0.0167	0.405	0.389	1.054
295	A13	10.80	0.225	0.208	0.0170	0.408	0.394	1.059
295	A14	10.80	0.228	0.211	0.0171	0.412	0.398	1.059
295	A15	10.80	0.230	0.213	0.0174	0.418	0.405	1.064
295	A16	10.90	0.232	0.216	0.0175	0.423	0.405	1.074
295	A17	10.90	0.232	0.216	0.0178	0.427	0.412	1.074
295	A18	11.00	0.234	0.219	0.0180	0.433	0.416	1.079
295	A19	11.00	0.236	0.222	0.0182	0.438	0.429	1.084
295	A20	11.10	0.236	0.222	0.0184	0.442	0.425	1.084
295	A21	11.30	0.238	0.225	0.0186	0.445	0.427	1.084
295	A22	11.40	0.240	0.228	0.0189	0.451	0.436	1.093
295	A23	11.50	0.242	0.231	0.0192	0.457	0.438	1.098
295	A24	11.60	0.244	0.234	0.0194	0.460	0.442	1.098
295	A25	11.60	0.246	0.237	0.0195	0.465	0.447	1.098

NII SUNLIGHT INTENSITY STUDY: USEPA CONTRACT NO. 68-02-2258 LUNAR DATE: 10-22-75 JULIAN DATE: 75295

JULIAN DATE	TIME (EST)	TEMP (°C)	NUM (PPM)	NIB (1/MIN)	UV (LANGLEYS/MIN)	TSR (LANGLEYS/MIN)	395 (LANGLEYS/MIN)	NIP (LANGLEYS/MIN)
295	826	11.80	0.246	0.237	0.0197	0.469	0.449	1.103
295	827	11.90	0.246	0.237	0.0200	0.474	0.454	1.108
295	828	12.00	0.248	0.240	0.0202	0.480	0.458	1.108
295	831	12.20	0.252	0.246	0.0208	0.492	0.469	1.118
295	832	12.40	0.254	0.249	0.0211	0.498	0.473	1.122
295	833	12.40	0.256	0.252	0.0213	0.501	0.476	1.118
295	834	12.50	0.256	0.252	0.0215	0.507	0.482	1.127
295	835	12.50	0.256	0.252	0.0217	0.510	0.485	1.127
295	836	12.70	0.260	0.259	0.0219	0.514	0.489	1.137
295	837	12.70	0.260	0.259	0.0221	0.519	0.493	1.137
295	838	12.80	0.262	0.262	0.0224	0.523	0.498	1.137
295	839	12.80	0.262	0.262	0.0225	0.528	0.502	1.142
295	840	13.00	0.264	0.265	0.0227	0.532	0.507	1.142
295	841	13.10	0.266	0.268	0.0230	0.535	0.509	1.142
295	842	13.20	0.264	0.265	0.0231	0.541	0.513	1.142
295	843	13.30	0.266	0.268	0.0234	0.546	0.518	1.147
295	844	13.30	0.266	0.268	0.0236	0.549	0.522	1.147
295	845	13.40	0.269	0.272	0.0238	0.553	0.524	1.147
295	846	13.40	0.266	0.268	0.0239	0.558	0.527	1.152
295	847	13.40	0.266	0.268	0.0242	0.562	0.533	1.156
295	848	13.60	0.271	0.275	0.0244	0.567	0.538	1.156
295	849	13.70	0.271	0.275	0.0246	0.571	0.542	1.156
295	850	13.80	0.271	0.275	0.0249	0.574	0.544	1.161
295	851	13.80	0.273	0.278	0.0251	0.579	0.549	1.161
295	852	13.90	0.273	0.278	0.0253	0.583	0.551	1.161
295	853	13.90	0.273	0.278	0.0255	0.586	0.555	1.161
295	854	14.00	0.273	0.278	0.0257	0.591	0.558	1.161
295	855	14.30	0.277	0.285	0.0259	0.594	0.562	1.166
295	856	14.10	0.277	0.285	0.0261	0.598	0.566	1.166
295	857	14.10	0.277	0.285	0.0263	0.603	0.569	1.166
295	858	14.20	0.279	0.289	0.0265	0.608	0.575	1.171
295	859	14.30	0.279	0.289	0.0268	0.614	0.580	1.176
295	900	14.40	0.279	0.289	0.0270	0.615	0.582	1.176
295	901	14.40	0.281	0.292	0.0272	0.621	0.586	1.181
295	902	14.40	0.283	0.295	0.0274	0.624	0.591	1.181
295	948	16.60	0.307	0.340	0.0363	0.791	0.750	1.249
295	949	16.70	0.305	0.336	0.0365	0.792	0.752	1.249
295	950	16.80	0.307	0.340	0.0368	0.797	0.757	1.249
295	951	16.90	0.305	0.336	0.0368	0.798	0.757	1.249
295	953	16.90	0.312	0.348	0.0372	0.805	0.763	1.249
295	954	16.90	0.310	0.344	0.0373	0.809	0.768	1.249
295	955	17.00	0.310	0.344	0.0374	0.812	0.770	1.254
295	956	17.20	0.310	0.344	0.0376	0.814	0.772	1.254
295	957	17.20	0.312	0.348	0.0377	0.817	0.774	1.254
295	958	17.10	0.312	0.348	0.0378	0.818	0.781	1.254
295	959	17.10	0.312	0.348	0.0381	0.823	0.781	1.254
295	1000	17.10	0.312	0.348	0.0382	0.826	0.781	1.249
295	1001	17.10	0.312	0.348	0.0384	0.827	0.783	1.254
295	1002	17.30	0.312	0.348	0.0386	0.832	0.788	1.259
295	1003	17.40	0.312	0.348	0.0387	0.835	0.792	1.259
295	1004	17.40	0.314	0.352	0.0389	0.838	0.794	1.263
295	1005	17.60	0.314	0.352	0.0390	0.842	0.799	1.263

RTI SUNLIGHT INTENSITY STUDY: USEPA CONTRACT NO. 68-02-2258 LUNAR DATE: 10-22-75 JULIAN DATE: 75295

JULIAN DATE	TIME (EST)	TEMP (°C)	NUB (PPM)	KIB (1/MIN)	UV (LANGLEYS/MIN)	TSR (LANGLEYS/MIN)	395 (LANGLEYS/MIN)	VIP (LANGLEYS/MIN)
295	1006	17.70	0.314	0.352	0.0391	0.841	0.796	1.263
295	1007	17.70	0.314	0.352	0.0393	0.847	0.803	1.259
295	1008	17.70	0.314	0.352	0.0393	0.847	0.803	1.259
295	1009	17.80	0.316	0.356	0.0393	0.848	0.803	1.259
295	1010	17.90	0.316	0.356	0.0395	0.851	0.805	1.259
295	1011	18.10	0.314	0.352	0.0397	0.854	0.808	1.259
295	1012	18.00	0.316	0.356	0.0399	0.859	0.812	1.263
295	1013	18.00	0.316	0.356	0.0400	0.860	0.814	1.263
295	1014	18.00	0.316	0.356	0.0401	0.863	0.819	1.263
295	1015	18.10	0.318	0.360	0.0402	0.863	0.819	1.263
295	1016	18.20	0.318	0.360	0.0403	0.865	0.819	1.259
295	1017	18.30	0.316	0.356	0.0404	0.869	0.823	1.263
295	1018	18.30	0.316	0.356	0.0406	0.874	0.827	1.268
295	1019	18.50	0.314	0.352	0.0408	0.875	0.830	1.268
295	1020	18.40	0.316	0.360	0.0410	0.880	0.834	1.273
295	1021	18.50	0.318	0.360	0.0412	0.883	0.836	1.273
295	1022	18.60	0.318	0.360	0.0413	0.884	0.838	1.273
295	1023	18.50	0.318	0.360	0.0414	0.887	0.841	1.268
295	1024	18.60	0.316	0.356	0.0414	0.889	0.838	1.273
295	1025	18.50	0.316	0.356	0.0417	0.890	0.843	1.268
295	1027	18.70	0.320	0.365	0.0419	0.896	0.847	1.273
295	1028	18.90	0.320	0.365	0.0420	0.898	0.850	1.268
295	1029	19.00	0.320	0.365	0.0421	0.899	0.852	1.268
295	1030	19.00	0.318	0.361	0.0422	0.902	0.852	1.268
295	1031	19.10	0.320	0.365	0.0423	0.904	0.852	1.273
295	1032	19.00	0.320	0.365	0.0425	0.905	0.856	1.273
295	1033	19.00	0.320	0.365	0.0425	0.907	0.858	1.273
295	1034	19.10	0.322	0.369	0.0426	0.908	0.861	1.278
295	1035	19.20	0.320	0.365	0.0427	0.911	0.863	1.283
295	1036	19.40	0.322	0.369	0.0428	0.916	0.867	1.283
295	1037	19.60	0.322	0.369	0.0431	0.919	0.869	1.288
295	1038	19.60	0.322	0.369	0.0431	0.922	0.874	1.283
295	1039	19.60	0.322	0.369	0.0432	0.925	0.876	1.283
295	1040	19.90	0.320	0.365	0.0434	0.928	0.876	1.288
295	1041	19.90	0.322	0.369	0.0434	0.928	0.878	1.283
295	1042	19.90	0.322	0.369	0.0436	0.931	0.878	1.288
295	1043	20.00	0.322	0.369	0.0436	0.931	0.881	1.288
295	1044	19.90	0.324	0.373	0.0436	0.932	0.883	1.283
295	1045	20.00	0.324	0.373	0.0438	0.934	0.883	1.283
295	1046	20.10	0.322	0.369	0.0438	0.935	0.883	1.283
295	1047	20.10	0.322	0.369	0.0439	0.937	0.885	1.286
295	1048	20.30	0.322	0.369	0.0439	0.938	0.887	1.283
295	1049	20.30	0.322	0.369	0.0441	0.941	0.889	1.283
295	1050	20.30	0.324	0.373	0.0442	0.944	0.892	1.283
295	1051	20.50	0.322	0.369	0.0442	0.946	0.894	1.288
295	1052	20.60	0.322	0.369	0.0443	0.947	0.894	1.283
295	1053	20.70	0.322	0.369	0.0444	0.949	0.894	1.288
295	1055	21.00	0.324	0.374	0.0445	0.952	0.898	1.278
295	1056	20.90	0.324	0.374	0.0445	0.958	0.934	1.278
295	1057	20.90	0.322	0.370	0.0447	0.959	0.920	1.283
295	1058	20.90	0.322	0.370	0.0448	0.955	0.900	1.283
295	1059	21.00	0.324	0.374	0.0447	0.956	0.900	1.283

ETI SUNLIGHT INTENSITY STUDY: USEPA CONTRACT NO. 68-02-2258 LUNAR DATE: 10-22-75 JULIAN DATE: 75295

JULIAN DATE	TIME (EST)	TEMP (°C)	NOB (PPM)	NIR (1/MIN)	UV (LANGLEYS/MIN)	TSR (LANGLEYS/MIN)	395 (LANGLEYS/MIN)	VIP (LANGLEYS/MIN)
295	1100	21.10	0.324	0.374	0.0446	0.956	0.903	1.278
295	1101	21.40	0.324	0.374	0.0449	0.959	0.905	1.283
295	1102	21.50	0.324	0.374	0.0450	0.962	0.907	1.283
295	1103	21.50	0.322	0.370	0.0450	0.962	0.907	1.283
295	1104	21.50	0.322	0.370	0.0452	0.965	0.909	1.283
295	1105	21.40	0.322	0.370	0.0452	0.965	0.909	1.283
295	1106	21.40	0.322	0.370	0.0453	0.968	0.912	1.288
295	1107	21.60	0.324	0.374	0.0453	0.968	0.912	1.288
295	1108	21.60	0.320	0.366	0.0455	0.973	0.916	1.283
295	1109	21.50	0.322	0.370	0.0457	0.976	0.918	1.283
295	1110	21.80	0.322	0.370	0.0458	0.976	0.918	1.283
295	1111	21.70	0.324	0.374	0.0458	0.977	0.918	1.283
295	1112	21.70	0.324	0.374	0.0460	0.980	0.920	1.283
295	1113	21.80	0.324	0.374	0.0461	0.982	0.920	1.283
295	1114	21.80	0.322	0.370	0.0461	0.980	0.923	1.283
295	1115	22.00	0.322	0.370	0.0459	0.983	0.923	1.288
295	1117	22.10	0.324	0.374	0.0461	0.983	0.923	1.283
295	1118	22.10	0.322	0.370	0.0462	0.983	0.925	1.288
295	1119	22.10	0.324	0.374	0.0463	0.986	0.927	1.283
295	1120	22.20	0.322	0.370	0.0463	0.988	0.927	1.283
295	1121	22.20	0.322	0.370	0.0464	0.988	0.927	1.283
295	1122	22.20	0.324	0.374	0.0465	0.989	0.927	1.283
295	1123	22.10	0.324	0.374	0.0465	0.991	0.927	1.283
295	1124	22.30	0.324	0.374	0.0466	0.991	0.929	1.283
295	1125	22.40	0.320	0.366	0.0467	0.994	0.931	1.288
295	1126	22.50	0.322	0.370	0.0467	0.994	0.931	1.288
295	1127	22.50	0.322	0.370	0.0467	0.995	0.936	1.283
295	1128	22.50	0.324	0.374	0.0466	0.994	0.934	1.283
295	1129	22.50	0.324	0.374	0.0468	0.997	0.936	1.283
295	1130	22.50	0.324	0.374	0.0468	0.997	0.936	1.283
295	1131	22.60	0.322	0.370	0.0469	0.997	0.936	1.288
295	1132	22.70	0.322	0.370	0.0468	0.997	0.936	1.283
295	1133	22.90	0.322	0.370	0.0468	0.997	0.936	1.283
295	1134	22.80	0.324	0.375	0.0468	0.997	0.936	1.278
295	1135	22.80	0.322	0.370	0.0468	0.997	0.934	1.278
295	1136	22.90	0.322	0.370	0.0469	0.998	0.936	1.278
295	1137	22.90	0.320	0.366	0.0468	0.997	0.934	1.278
295	1138	22.90	0.322	0.370	0.0468	0.998	0.934	1.273
295	1139	23.00	0.324	0.375	0.0469	1.000	0.936	1.283
295	1140	23.20	0.324	0.375	0.0469	1.002	0.938	1.283
295	1141	23.30	0.322	0.371	0.0469	1.002	0.940	1.283
295	1142	23.30	0.322	0.371	0.0469	1.003	0.940	1.283
295	1143	23.40	0.322	0.371	0.0470	1.003	0.938	1.283
295	1144	23.40	0.322	0.371	0.0471	1.005	0.940	1.283
295	1145	23.40	0.324	0.375	0.0472	1.006	0.942	1.283
295	1146	23.30	0.324	0.375	0.0472	1.008	0.942	1.278
295	1147	23.30	0.322	0.371	0.0474	1.009	0.942	1.288
295	1148	23.50	0.322	0.371	0.0473	1.008	0.945	1.283
295	1149	23.60	0.322	0.371	0.0473	1.009	0.945	1.278
295	1150	23.70	0.324	0.375	0.0473	1.011	0.945	1.288
295	1151	23.50	0.324	0.375	0.0472	1.009	0.942	1.278
295	1152	23.50	0.324	0.375	0.0472	1.008	0.942	1.278

MTI SUNLIGHT INTENSITY STUDY: USEPA CONTRACT NO. 68-02-2258 LUNAR DATE: 10-22-75 JULIAN DATE: 75295

JULIAN DATE	TIME (EST)	TEMP (°C)	NUV (PPM)	KIB (I/MIN)	UV (LANGLEYS/MIN)	TSR (LANGLEYS/MIN)	395 (LANGLEYS/MIN)	NIP (LANGLEYS/MIN)
295	1153	23.40	0.322	0.371	0.0471	1.008	0.940	1.278
295	1154	23.50	0.322	0.371	0.0471	1.008	0.940	1.278
295	1155	23.50	0.322	0.371	0.0471	1.006	0.940	1.278
295	1156	23.50	0.324	0.375	0.0472	1.008	0.945	1.283
295	1157	23.50	0.324	0.375	0.0471	1.008	0.942	1.283
295	1158	23.60	0.322	0.371	0.0472	1.008	0.942	1.288
295	1159	23.60	0.322	0.371	0.0472	1.009	0.945	1.293
295	1200	23.80	0.320	0.367	0.0470	1.008	0.945	1.283
295	1201	23.70	0.322	0.371	0.0471	1.008	0.945	1.278
295	1202	23.70	0.322	0.371	0.0469	1.006	0.940	1.278
295	1203	23.60	0.322	0.371	0.0468	1.005	0.940	1.278
295	1204	23.80	0.320	0.367	0.0468	1.003	0.938	1.278
295	1205	23.90	0.320	0.367	0.0469	1.003	0.938	1.283
295	1206	23.80	0.322	0.371	0.0468	1.006	0.942	1.283
295	1207	23.90	0.322	0.371	0.0468	1.006	0.942	1.263
295	1208	24.00	0.322	0.371	0.0468	1.006	0.942	1.278
295	1209	24.00	0.320	0.367	0.0469	1.008	0.940	1.273
295	1210	24.10	0.320	0.367	0.0470	1.009	0.942	1.283
295	1211	24.10	0.322	0.371	0.0470	1.009	0.942	1.283
295	1212	24.30	0.324	0.375	0.0469	1.006	0.940	1.278
295	1213	24.20	0.322	0.371	0.0468	1.006	0.940	1.273
295	1214	24.10	0.324	0.375	0.0467	1.005	0.938	1.273
295	1215	24.00	0.320	0.367	0.0467	1.005	0.936	1.268
295	1216	24.00	0.320	0.367	0.0466	1.002	0.934	1.268
295	1217	24.00	0.320	0.367	0.0466	1.000	0.934	1.273
295	1218	24.00	0.322	0.371	0.0466	1.002	0.934	1.278
295	1219	24.00	0.322	0.371	0.0466	1.002	0.936	1.278
295	1220	24.00	0.322	0.371	0.0466	1.003	0.938	1.283
295	1221	24.00	0.322	0.371	0.0466	1.006	0.940	1.283
295	1222	24.00	0.320	0.367	0.0465	1.011	0.942	1.288
295	1223	24.30	0.320	0.367	0.0463	1.011	0.942	1.283
295	1224	24.50	0.322	0.371	0.0466	1.002	0.938	1.283
295	1225	24.50	0.320	0.367	0.0464	1.002	0.936	1.278
295	1226	24.50	0.320	0.367	0.0465	1.002	0.936	1.288
295	1227	24.70	0.320	0.367	0.0463	0.998	0.936	1.283
295	1228	24.90	0.322	0.371	0.0463	0.998	0.936	1.278
295	1229	24.90	0.322	0.371	0.0462	0.997	0.934	1.273
295	1230	25.00	0.324	0.376	0.0461	0.994	0.931	1.273
295	1231	25.00	0.322	0.371	0.0459	0.994	0.929	1.273
295	1232	25.10	0.320	0.367	0.0459	0.994	0.929	1.273
295	1233	25.00	0.320	0.367	0.0458	0.991	0.925	1.273
295	1234	24.80	0.320	0.367	0.0458	0.991	0.925	1.268
295	1235	24.90	0.322	0.371	0.0458	0.989	0.923	1.273
295	1236	24.90	0.320	0.367	0.0458	0.991	0.925	1.283
295	1237	25.00	0.318	0.363	0.0457	0.989	0.925	1.278
295	1239	25.40	0.322	0.372	0.0454	0.985	0.920	1.268
295	1240	25.30	0.320	0.367	0.0453	0.983	0.920	1.273
295	1241	25.40	0.320	0.368	0.0452	0.982	0.920	1.268
295	1242	25.40	0.320	0.368	0.0452	0.982	0.918	1.268
295	1243	25.30	0.318	0.363	0.0453	0.983	0.918	1.268
295	1244	25.30	0.318	0.363	0.0453	0.985	0.918	1.268
295	1245	25.30	0.320	0.367	0.0452	0.983	0.918	1.263

KTI SUNLIGHT INTENSITY STUDY: USEPA CONTRACT NO. 68-02-2258 LUNAR DATE: 10-22-75 JULIAN DATE: 75295

JULIAN DATE	TIME (EST)	TEMP (°C)	NOB (PPM)	K1B (1/MIN)	UV (LANGLEYS/MIN)	TSR (LANGLEYS/MIN)	395 (LANGLEYS/MIN)	NIP (LANGLEYS/MIN)
295	1246	25.10	0.322	0.371	0.0452	0.983	0.916	1.263
295	1247	25.00	0.322	0.371	0.0452	0.982	0.914	1.263
295	1248	25.10	0.320	0.367	0.0451	0.980	0.912	1.263
295	1249	24.90	0.320	0.367	0.0450	0.979	0.912	1.268
295	1250	25.10	0.320	0.367	0.0450	0.974	0.909	1.273
295	1251	25.20	0.320	0.367	0.0449	0.973	0.907	1.268
295	1252	25.30	0.320	0.367	0.0447	0.971	0.907	1.268
295	1253	25.30	0.318	0.363	0.0447	0.970	0.905	1.268
295	1254	25.40	0.318	0.363	0.0444	0.967	0.903	1.263
295	1255	25.20	0.318	0.363	0.0445	0.968	0.903	1.268
295	1256	25.10	0.318	0.363	0.0444	0.968	0.903	1.263
295	1257	25.00	0.318	0.363	0.0442	0.964	0.898	1.263
295	1258	25.10	0.318	0.363	0.0439	0.959	0.894	1.254
295	1259	25.10	0.318	0.363	0.0439	0.956	0.892	1.249
295	1300	25.10	0.316	0.359	0.0438	0.956	0.889	1.249
295	1301	25.10	0.318	0.363	0.0438	0.955	0.889	1.254
295	1302	25.10	0.316	0.359	0.0438	0.955	0.889	1.254
295	1303	25.10	0.318	0.363	0.0437	0.953	0.887	1.259
295	1304	25.00	0.316	0.359	0.0436	0.952	0.887	1.254
295	1305	25.20	0.316	0.359	0.0435	0.950	0.887	1.254
295	1306	25.20	0.316	0.359	0.0433	0.947	0.883	1.249
295	1307	25.10	0.318	0.363	0.0433	0.947	0.885	1.254
295	1308	25.00	0.316	0.359	0.0432	0.946	0.883	1.254
295	1309	25.10	0.314	0.355	0.0433	0.947	0.883	1.259
295	1310	25.30	0.316	0.359	0.0431	0.943	0.881	1.259
295	1311	25.30	0.316	0.359	0.0428	0.938	0.876	1.259
295	1313	25.30	0.318	0.363	0.0428	0.938	0.876	1.259
295	1314	25.30	0.316	0.363	0.0428	0.938	0.876	1.259
295	1315	25.30	0.316	0.359	0.0426	0.935	0.874	1.254
295	1316	25.30	0.316	0.359	0.0425	0.934	0.872	1.249
295	1317	25.20	0.316	0.359	0.0422	0.928	0.865	1.249
295	1318	25.30	0.318	0.363	0.0419	0.925	0.863	1.244
295	1319	25.40	0.316	0.360	0.0416	0.920	0.856	1.234
295	1320	25.50	0.314	0.356	0.0413	0.914	0.850	1.229
295	1321	25.40	0.312	0.352	0.0413	0.914	0.850	1.229
295	1322	25.40	0.314	0.356	0.0412	0.911	0.847	1.234
295	1323	25.40	0.314	0.356	0.0412	0.910	0.847	1.239
295	1324	25.40	0.314	0.356	0.0412	0.910	0.847	1.239
295	1325	25.40	0.312	0.352	0.0412	0.910	0.847	1.239
295	1326	25.40	0.312	0.352	0.0412	0.911	0.847	1.244
295	1327	25.40	0.312	0.352	0.0412	0.910	0.847	1.244
295	1328	25.40	0.314	0.356	0.0412	0.907	0.845	1.244
295	1329	25.40	0.316	0.359	0.0410	0.905	0.843	1.244
295	1330	25.40	0.314	0.356	0.0408	0.902	0.841	1.244
295	1331	25.40	0.312	0.352	0.0408	0.901	0.841	1.244
295	1332	25.40	0.312	0.352	0.0406	0.899	0.838	1.244
295	1333	25.30	0.312	0.352	0.0405	0.898	0.838	1.249
295	1334	25.30	0.314	0.355	0.0403	0.893	0.834	1.249
295	1335	25.50	0.312	0.352	0.0401	0.892	0.832	1.244
295	1336	25.40	0.310	0.348	0.0401	0.890	0.830	1.244
295	1337	25.50	0.310	0.348	0.0400	0.890	0.830	1.244
295	1338	25.50	0.310	0.348	0.0400	0.889	0.830	1.244

RTI SUNLIGHT INTENSITY STUDY: USEPA CONTRACT NO. 68-02-2258 LUNAR DATE: 10-22-75 JULIAN DATE: 75295

JULIAN DATE	TIME (EST)	TEMP (°C)	NOB (FPM)	KIB (1/MIN)	UV (LANGLEYS/MIN)	TSR (LANGLEYS/MIN)	395 (LANGLEYS/MIN)	VIP (LANGLEYS/MIN)
295	1339	25.60	0.312	0.352	0.0399	0.889	0.827	1.244
295	1340	25.60	0.312	0.352	0.0399	0.887	0.825	1.244
295	1341	25.70	0.312	0.352	0.0398	0.884	0.823	1.249
295	1342	25.50	0.310	0.348	0.0395	0.880	0.819	1.239
295	1343	25.70	0.310	0.348	0.0393	0.875	0.818	1.244
295	1344	25.70	0.312	0.352	0.0392	0.875	0.816	1.244
295	1345	25.60	0.310	0.348	0.0390	0.872	0.812	1.234
295	1346	25.60	0.307	0.344	0.0389	0.869	0.808	1.234
295	1347	25.60	0.310	0.348	0.0386	0.863	0.803	1.224
295	1348	25.60	0.307	0.344	0.0385	0.860	0.799	1.224
295	1349	25.70	0.310	0.348	0.0385	0.860	0.801	1.234
295	1350	25.70	0.307	0.344	0.0382	0.857	0.799	1.234
295	1351	25.80	0.310	0.348	0.0382	0.856	0.796	1.239
295	1352	25.90	0.307	0.344	0.0381	0.854	0.796	1.239
295	1353	25.90	0.307	0.344	0.0378	0.850	0.790	1.234
295	1354	25.90	0.307	0.344	0.0376	0.845	0.785	1.229
295	1355	25.90	0.310	0.348	0.0374	0.841	0.783	1.224
295	1356	25.80	0.307	0.344	0.0371	0.836	0.777	1.220
295	1357	25.80	0.305	0.340	0.0369	0.832	0.772	1.215
295	1358	25.80	0.301	0.333	0.0366	0.827	0.770	1.210
295	1359	25.80	0.303	0.336	0.0365	0.824	0.765	1.210
295	1400	25.90	0.305	0.340	0.0364	0.821	0.765	1.215
295	1450	26.00	0.283	0.300	0.0276	0.651	0.606	1.147
295	1451	25.90	0.283	0.300	0.0274	0.648	0.602	1.152
295	1452	25.90	0.285	0.304	0.0273	0.644	0.597	1.152
295	1453	25.80	0.285	0.304	0.0270	0.642	0.597	1.152
295	1454	25.80	0.285	0.304	0.0269	0.638	0.595	1.152
295	1455	25.80	0.285	0.304	0.0268	0.636	0.593	1.152
295	1456	25.90	0.285	0.304	0.0265	0.632	0.588	1.152
295	1457	25.90	0.283	0.300	0.0264	0.629	0.586	1.147
295	1458	25.90	0.283	0.300	0.0262	0.624	0.582	1.152
295	1459	25.90	0.283	0.300	0.0260	0.620	0.580	1.147
295	1500	25.90	0.281	0.297	0.0258	0.617	0.575	1.142
295	1501	25.90	0.277	0.290	0.0254	0.609	0.566	1.132
295	1502	25.90	0.275	0.287	0.0252	0.605	0.564	1.132
295	1503	25.90	0.275	0.287	0.0251	0.600	0.560	1.132
295	1504	25.90	0.275	0.287	0.0247	0.594	0.553	1.122
295	1505	25.90	0.275	0.287	0.0245	0.588	0.549	1.118
295	1506	25.90	0.273	0.283	0.0243	0.585	0.544	1.118
295	1507	25.90	0.275	0.287	0.0241	0.582	0.542	1.118
295	1508	25.80	0.271	0.280	0.0239	0.577	0.538	1.113
295	1509	25.80	0.271	0.280	0.0238	0.573	0.535	1.118
295	1510	25.90	0.271	0.280	0.0235	0.570	0.533	1.118
295	1511	25.90	0.271	0.280	0.0233	0.564	0.527	1.113
295	1512	25.90	0.271	0.280	0.0232	0.561	0.527	1.113
295	1513	25.80	0.269	0.277	0.0230	0.559	0.524	1.113
295	1514	25.80	0.266	0.273	0.0227	0.553	0.520	1.108
295	1515	25.80	0.264	0.270	0.0224	0.547	0.513	1.108
295	1516	25.90	0.260	0.264	0.0222	0.543	0.511	1.098
295	1517	25.80	0.258	0.261	0.0221	0.541	0.507	1.093
295	1518	25.80	0.258	0.261	0.0219	0.538	0.504	1.093
295	1519	25.70	0.260	0.264	0.0219	0.534	0.500	1.093

ATI SUNLIGHT INTENSITY STUDY: USEPA CONTRACT NO. 68-02-2258 LUNAR DATE: 10-22-75 JULIAN DATE: 75295

JULIAN DATE	TIME (EST)	TEMP (°C)	NUB (PPM)	KIB (1/MIN)	UV (LANGLEYS/MIN)	TSR (LANGLEYS/MIN)	395 (LANGLEYS/MIN)	VIP (LANGLEYS/MIN)
295	1520	25.60	0.260	0.264	0.0216	0.529	0.496	1.088
295	1521	25.70	0.260	0.264	0.0213	0.522	0.489	1.084
295	1522	25.80	0.254	0.254	0.0211	0.516	0.485	1.079
295	1523	25.80	0.252	0.251	0.0208	0.510	0.478	1.074
295	1525	26.00	0.250	0.248	0.0204	0.502	0.471	1.069
295	1526	26.10	0.250	0.248	0.0202	0.499	0.469	1.064
295	1527	26.00	0.250	0.248	0.0201	0.493	0.462	1.059
295	1528	26.00	0.246	0.242	0.0199	0.489	0.458	1.059
295	1529	26.00	0.246	0.242	0.0197	0.484	0.454	1.054
295	1530	25.90	0.244	0.239	0.0195	0.481	0.451	1.064
295	1531	25.90	0.244	0.239	0.0193	0.477	0.447	1.068
295	1532	26.00	0.242	0.236	0.0191	0.472	0.445	1.059
295	1533	26.10	0.242	0.236	0.0189	0.466	0.438	1.054
295	1534	25.80	0.240	0.233	0.0186	0.462	0.436	1.059
295	1535	25.60	0.236	0.227	0.0184	0.457	0.429	1.054
295	1536	25.50	0.234	0.224	0.0182	0.451	0.425	1.050
295	1537	25.50	0.234	0.225	0.0180	0.447	0.420	1.040
295	1538	25.60	0.234	0.225	0.0178	0.444	0.414	1.035
295	1539	25.50	0.232	0.222	0.0175	0.436	0.409	1.025
295	1540	25.50	0.230	0.219	0.0173	0.433	0.403	1.025
295	1541	25.60	0.228	0.216	0.0171	0.427	0.398	1.020
295	1542	25.60	0.225	0.213	0.0169	0.423	0.394	1.016
295	1543	25.60	0.223	0.210	0.0167	0.418	0.389	1.016
295	1544	25.40	0.223	0.210	0.0166	0.415	0.387	1.016
295	1545	25.10	0.223	0.210	0.0163	0.409	0.381	1.011
295	1546	25.30	0.221	0.208	0.0162	0.406	0.378	1.011
295	1547	25.30	0.217	0.202	0.0159	0.400	0.372	1.001
295	1548	25.10	0.215	0.199	0.0156	0.395	0.367	0.996
295	1549	25.40	0.215	0.200	0.0154	0.389	0.361	0.991
295	1550	25.40	0.215	0.200	0.0153	0.385	0.356	0.986
295	1551	25.40	0.213	0.197	0.0151	0.380	0.352	0.982
295	1552	25.20	0.209	0.192	0.0148	0.376	0.347	0.982
295	1553	25.30	0.207	0.189	0.0147	0.371	0.343	0.977
295	1554	25.30	0.207	0.189	0.0145	0.367	0.338	0.967
295	1555	25.40	0.207	0.189	0.0143	0.361	0.334	0.967
295	1556	25.40	0.205	0.186	0.0141	0.356	0.330	0.967
295	1557	25.40	0.203	0.184	0.0140	0.353	0.327	0.962
295	1558	25.40	0.201	0.181	0.0137	0.350	0.323	0.962
295	1559	25.40	0.199	0.179	0.0135	0.344	0.319	0.952
295	1600	25.50	0.199	0.179	0.0133	0.340	0.314	0.952
295	1601	25.50	0.197	0.176	0.0132	0.337	0.312	0.952
295	1602	25.20	0.195	0.174	0.0129	0.332	0.310	0.948
295	1603	25.10	0.193	0.171	0.0127	0.328	0.303	0.943
295	1604	24.90	0.191	0.169	0.0126	0.323	0.299	0.938
295	1605	24.80	0.189	0.166	0.0124	0.319	0.296	0.938
295	1606	24.90	0.187	0.164	0.0121	0.313	0.290	0.928
295	1607	24.70	0.187	0.164	0.0120	0.308	0.285	0.923
295	1608	24.70	0.184	0.161	0.0118	0.304	0.281	0.918
295	1609	24.90	0.182	0.159	0.0115	0.298	0.274	0.914
295	1610	25.00	0.180	0.157	0.0114	0.293	0.270	0.909
295	1611	24.80	0.178	0.154	0.0112	0.289	0.265	0.904
295	1612	24.90	0.172	0.147	0.0110	0.284	0.261	0.899

RTI SUNLIGHT INTENSITY STUDY: USEPA CONTRACT NO. 68-02-2258 LUNAR DATE: 10-22-75 JULIAN DATE: 75295

JULIAN DATE	TIME (EST)	TEMP (°C)	NUB (PPM)	K1B (1/MIN)	UV (LANGLEYS/MIN)	TSR (LANGLEYS/MIN)	395 (LANGLEYS/MIN)	NIP (LANGLEYS/MIN)
295	1613	24.80	0.172	0.147	0.0107	0.278	0.254	0.889
295	1614	24.50	0.170	0.145	0.0106	0.274	0.250	0.884
295	1615	23.50	0.170	0.145	0.0104	0.269	0.246	0.879
295	1616	24.40	0.168	0.143	0.0102	0.265	0.241	0.875
295	1617	24.10	0.166	0.140	0.0100	0.260	0.237	0.870
295	1618	24.10	0.164	0.138	0.0099	0.256	0.232	0.865
295	1619	24.00	0.162	0.136	0.0096	0.251	0.228	0.855
295	1620	23.80	0.160	0.134	0.0095	0.245	0.223	0.850
295	1621	23.60	0.156	0.129	0.0093	0.242	0.219	0.845
295	1622	23.50	0.154	0.127	0.0091	0.236	0.215	0.836
295	1623	23.50	0.152	0.125	0.0089	0.230	0.208	0.826
295	1624	23.40	0.148	0.121	0.0088	0.226	0.204	0.821
295	1625	23.60	0.143	0.116	0.0086	0.221	0.199	0.816
295	1626	23.60	0.143	0.116	0.0084	0.215	0.195	0.807
295	1627	23.60	0.141	0.114	0.0082	0.211	0.190	0.802
295	1628	23.30	0.139	0.112	0.0081	0.208	0.188	0.792
295	1629	23.30	0.135	0.108	0.0078	0.202	0.181	0.787
295	1630	23.20	0.131	0.104	0.0077	0.198	0.179	0.782
295	1631	23.20	0.129	0.102	0.0075	0.192	0.173	0.777
295	1632	23.20	0.127	0.100	0.0074	0.188	0.168	0.763
295	1633	23.30	0.125	0.098	0.0072	0.183	0.166	0.758
295	1634	23.40	0.123	0.096	0.0071	0.179	0.164	0.753
295	1635	23.50	0.119	0.092	0.0069	0.174	0.157	0.743
295	1636	23.60	0.117	0.091	0.0067	0.170	0.155	0.743
295	1637	23.50	0.115	0.089	0.0066	0.165	0.150	0.734
295	1638	23.50	0.113	0.087	0.0064	0.162	0.146	0.734
295	1639	23.50	0.111	0.085	0.0063	0.156	0.139	0.724
295	1640	23.40	0.109	0.083	0.0061	0.153	0.137	0.719
295	1641	23.20	0.107	0.081	0.0060	0.149	0.133	0.714
295	1642	23.10	0.102	0.077	0.0058	0.144	0.128	0.700
295	1643	23.10	0.100	0.076	0.0056	0.138	0.124	0.690
295	1644	23.10	0.098	0.074	0.0055	0.135	0.122	0.680
295	1645	23.00	0.096	0.072	0.0053	0.131	0.117	0.680
295	1646	22.70	0.094	0.070	0.0053	0.128	0.115	0.671
295	1647	22.30	0.090	0.067	0.0051	0.123	0.111	0.666
295	1648	22.00	0.088	0.065	0.0050	0.120	0.108	0.651
295	1649	22.10	0.086	0.063	0.0048	0.116	0.104	0.632
295	1650	22.20	0.084	0.061	0.0047	0.110	0.100	0.617
295	1651	22.30	0.082	0.060	0.0045	0.105	0.093	0.612
295	1652	22.20	0.078	0.056	0.0043	0.102	0.091	0.598
295	1653	22.10	0.076	0.054	0.0042	0.098	0.086	0.588
295	1654	22.00	0.072	0.051	0.0041	0.093	0.084	0.573
295	1655	21.90	0.072	0.051	0.0039	0.089	0.080	0.564
295	1656	21.80	0.070	0.049	0.0038	0.086	0.075	0.554
295	1657	21.60	0.066	0.046	0.0037	0.083	0.073	0.539
295	1658	21.50	0.064	0.044	0.0036	0.077	0.069	0.525
295	1659	21.40	0.061	0.043	0.0034	0.074	0.062	0.515
295	1700	21.30	0.059	0.041	0.0033	0.069	0.060	0.505
295	1701	21.20	0.057	0.040	0.0031	0.066	0.058	0.491
295	1702	21.10	0.055	0.038	0.0031	0.062	0.053	0.476
295	1703	21.00	0.053	0.036	0.0029	0.057	0.049	0.457
295	1704	21.00	0.049	0.033	0.0029	0.054	0.046	0.447

RTI SUNLIGHT INTENSITY STUDY: USEPA CONTRACT NO. 68-02-2258 LUNAR DATE: 10-22-75 JULIAN DATE: 75295

JULIAN DATE	TIME (EST)	TEMP (°C)	NOB (PPM)	K1B (1/MIN)	UV (LANGLEYS/MIN)	TSR (LANGLEYS/MIN)	395 (LANGLEYS/MIN)	VIP (LANGLEYS/MIN)
295	1705	20.90	0.049	0.033	0.0027	0.051	0.042	0.432
295	1706	20.80	0.047	0.032	0.0026	0.048	0.040	0.413
295	1707	20.80	0.045	0.030	0.0025	0.045	0.038	0.398
295	1708	20.60	0.043	0.029	0.0023	0.042	0.035	0.384
295	1709	20.50	0.041	0.027	0.0022	0.039	0.031	0.364
295	1710	20.50	0.039	0.026	0.0021	0.036	0.031	0.345
295	1711	20.40	0.037	0.024	0.0020	0.033	0.027	0.248
295	1712	20.30	0.035	0.023	0.0019	0.030	0.024	0.126
295	1713	20.20	0.035	0.023	0.0018	0.027	0.022	0.087
295	1714	20.10	0.033	0.021	0.0018	0.026	0.020	0.092
295	1715	20.10	0.031	0.020	0.0016	0.024	0.018	0.087
295	1716	20.00	0.029	0.018	0.0015	0.021	0.015	0.073
295	1717	19.90	0.027	0.017	0.0014	0.014	0.009	0.044
295	1718	19.80	0.027	0.017	0.0014	0.009	0.007	0.039
295	1719	19.60	0.025	0.015	0.0012	0.008	0.004	0.029
295	1720	19.60	0.023	0.014	0.0012	0.006	0.002	0.034
295	1721	19.50	0.023	0.014	0.0010	0.006	0.002	0.034
295	1722	19.50	0.020	0.013	0.0010	0.005	0.002	0.034
295	1723	19.30	0.018	0.011	0.0009	0.003	0.0	0.053
295	1724	19.10	0.018	0.011	0.0008	0.003	0.0	0.039
295	1725	19.10	0.016	0.010	0.0007	0.002	-.002	0.019
295	1726	19.00	0.014	0.008	0.0007	0.002	-.002	0.019
295	1727	18.90	0.012	0.007	0.0007	0.0	-.004	0.015
295	1728	18.80	0.012	0.007	0.0006	0.0	-.002	0.015

RTI SUNLIGHT INTENSITY STUDY: USEPA CONTRACT NO. 68-02-2258 LUNAR DATE: 10-23-75 JULIAN DATE: 75296

JULIAN DATE	TIME (EST)	TEMP (°C)	NOB (PPM)	K1B (1/MIN)	UV (LANGLEYS/MIN)	TSR (LANGLEYS/MIN)	395 (LANGLEYS/MIN)	NIP (LANGLEYS/MIN)
296	649	4.40	0.030	0.019	0.0011	0.027	0.033	0.015
296	650	4.40	0.032	0.021	0.0012	0.029	0.033	0.015
296	651	4.40	0.036	0.024	0.0013	0.030	0.035	0.015
296	652	4.40	0.038	0.025	0.0015	0.032	0.038	0.015
296	653	4.40	0.040	0.026	0.0015	0.033	0.038	0.015
296	654	4.50	0.042	0.028	0.0017	0.033	0.038	0.015
296	655	4.50	0.044	0.029	0.0018	0.035	0.040	0.015
296	656	4.50	0.044	0.029	0.0020	0.036	0.040	0.019
296	657	4.50	0.046	0.032	0.0020	0.036	0.042	0.019
296	658	4.50	0.048	0.032	0.0021	0.038	0.042	0.019
296	659	4.60	0.052	0.035	0.0023	0.038	0.044	0.019
296	700	4.60	0.052	0.035	0.0024	0.039	0.044	0.019
296	701	4.70	0.053	0.036	0.0026	0.041	0.044	0.019
296	702	4.80	0.055	0.038	0.0026	0.041	0.046	0.019
296	703	4.80	0.057	0.039	0.0028	0.042	0.046	0.024
296	704	4.90	0.061	0.042	0.0029	0.044	0.046	0.029
296	705	4.90	0.063	0.044	0.0031	0.044	0.049	0.058
296	706	4.90	0.063	0.044	0.0032	0.045	0.049	0.092
296	707	5.00	0.065	0.045	0.0033	0.047	0.049	0.117
296	708	5.00	0.067	0.047	0.0034	0.047	0.051	0.165
296	709	5.10	0.071	0.050	0.0036	0.048	0.051	0.180
296	710	5.10	0.073	0.051	0.0037	0.047	0.051	0.447
296	711	5.10	0.075	0.053	0.0041	0.056	0.060	0.583
296	712	5.10	0.079	0.056	0.0042	0.065	0.069	0.632
296	713	5.20	0.083	0.059	0.0043	0.069	0.075	0.646
296	714	5.30	0.085	0.061	0.0045	0.089	0.102	0.656
296	715	5.40	0.087	0.062	0.0046	0.120	0.133	0.666
296	716	5.40	0.091	0.066	0.0048	0.140	0.144	0.675
296	717	5.40	0.093	0.067	0.0050	0.143	0.148	0.685
296	718	5.50	0.097	0.071	0.0051	0.147	0.153	0.695
296	719	5.50	0.099	0.072	0.0053	0.153	0.157	0.705
296	720	5.60	0.101	0.074	0.0054	0.156	0.162	0.714
296	721	5.60	0.103	0.076	0.0058	0.161	0.166	0.724
296	722	5.80	0.105	0.077	0.0059	0.165	0.170	0.729
296	723	5.80	0.109	0.081	0.0061	0.168	0.173	0.739
296	724	5.90	0.111	0.083	0.0063	0.173	0.175	0.743
296	725	5.90	0.113	0.084	0.0064	0.177	0.179	0.753
296	726	6.00	0.115	0.086	0.0067	0.180	0.184	0.758
296	727	6.10	0.117	0.088	0.0068	0.185	0.188	0.763
296	728	6.20	0.121	0.091	0.0069	0.189	0.190	0.768
296	732	6.60	0.129	0.099	0.0077	0.206	0.206	0.797
296	733	6.60	0.131	0.101	0.0079	0.211	0.210	0.811
296	734	6.70	0.135	0.104	0.0081	0.215	0.217	0.816
296	735	6.80	0.137	0.106	0.0083	0.220	0.221	0.826
296	736	7.00	0.139	0.108	0.0084	0.224	0.223	0.826
296	737	7.00	0.141	0.110	0.0086	0.229	0.230	0.836
296	738	7.10	0.143	0.112	0.0088	0.235	0.235	0.841
296	739	7.30	0.147	0.116	0.0091	0.239	0.239	0.850
296	740	7.30	0.147	0.116	0.0092	0.244	0.243	0.855
296	741	7.30	0.151	0.120	0.0094	0.248	0.246	0.865
296	742	7.40	0.155	0.124	0.0096	0.253	0.250	0.870
296	743	7.40	0.155	0.124	0.0098	0.259	0.257	0.875

RTI SUNLIGHT INTENSITY STUDY: USEPA CONTRACT NO. 68-02-2258 LUNAR DATE: 10-23-75 JULIAN DATE: 75296

JULIAN DATE	TIME (EST)	TEMP (°C)	NDB (PPM)	KIB (1/MIN)	UV (LANGLEYS/MIN)	TSR (LANGLEYS/MIN)	395 (LANGLEYS/MIN)	NIP (LANGLEYS/MIN)
296	744	7.50	0.158	0.128	0.0100	0.262	0.259	0.879
296	745	7.60	0.162	0.132	0.0102	0.266	0.263	0.889
296	746	7.60	0.162	0.132	0.0104	0.271	0.268	0.894
296	747	7.60	0.166	0.136	0.0106	0.275	0.272	0.899
296	748	7.80	0.168	0.139	0.0108	0.280	0.274	0.904
296	749	7.90	0.170	0.141	0.0110	0.284	0.279	0.914
296	750	7.90	0.172	0.143	0.0112	0.289	0.283	0.918
296	751	8.00	0.174	0.145	0.0114	0.295	0.288	0.923
296	752	8.10	0.176	0.147	0.0117	0.301	0.294	0.928
296	753	8.20	0.178	0.149	0.0118	0.304	0.296	0.933
296	754	8.30	0.180	0.152	0.0121	0.310	0.303	0.938
296	755	8.40	0.182	0.154	0.0122	0.313	0.308	0.943
296	756	8.50	0.184	0.156	0.0124	0.319	0.310	0.948
296	757	8.50	0.186	0.158	0.0127	0.323	0.316	0.952
296	758	8.60	0.188	0.161	0.0129	0.329	0.321	0.957
296	759	8.60	0.190	0.163	0.0131	0.332	0.323	0.962
296	801	8.90	0.194	0.168	0.0136	0.343	0.332	0.972
296	802	9.00	0.198	0.172	0.0116	0.347	0.336	0.977
296	803	9.00	0.200	0.175	0.0140	0.352	0.338	0.982
296	804	9.20	0.200	0.175	0.0142	0.356	0.345	0.986
296	805	9.30	0.202	0.177	0.0143	0.359	0.347	0.986
296	806	9.40	0.204	0.180	0.0145	0.364	0.352	0.991
296	807	9.40	0.204	0.180	0.0148	0.368	0.356	0.991
296	808	9.60	0.206	0.182	0.0150	0.373	0.361	0.996
296	809	9.60	0.208	0.185	0.0152	0.379	0.365	1.001
296	810	9.70	0.210	0.187	0.0154	0.382	0.367	1.006
296	811	9.80	0.212	0.189	0.0156	0.386	0.372	1.011
296	812	9.80	0.212	0.189	0.0158	0.391	0.376	1.011
296	813	9.80	0.214	0.192	0.0160	0.395	0.381	1.016
296	814	10.00	0.216	0.195	0.0162	0.400	0.385	1.020
296	815	10.10	0.216	0.195	0.0164	0.405	0.389	1.020
296	816	10.30	0.220	0.200	0.0167	0.411	0.396	1.025
296	817	10.40	0.222	0.202	0.0170	0.415	0.398	1.030
296	818	10.40	0.222	0.202	0.0172	0.420	0.403	1.040
296	819	10.50	0.224	0.205	0.0174	0.424	0.407	1.040
296	820	10.70	0.226	0.208	0.0175	0.427	0.409	1.045
296	821	10.80	0.228	0.210	0.0178	0.433	0.416	1.050
296	822	10.90	0.230	0.213	0.0180	0.438	0.418	1.050
296	823	11.00	0.230	0.213	0.0182	0.442	0.425	1.054
296	824	11.00	0.230	0.213	0.0184	0.448	0.429	1.054
296	825	11.10	0.232	0.216	0.0186	0.451	0.431	1.059
296	826	11.30	0.234	0.218	0.0189	0.457	0.436	1.069
296	827	11.40	0.236	0.221	0.0192	0.462	0.442	1.069
296	828	11.50	0.238	0.224	0.0194	0.466	0.445	1.074
296	829	11.50	0.238	0.224	0.0195	0.471	0.449	1.074
296	830	11.50	0.240	0.227	0.0198	0.475	0.454	1.074
296	831	11.70	0.244	0.232	0.0200	0.480	0.456	1.079
296	832	11.80	0.244	0.232	0.0202	0.484	0.460	1.084
296	834	12.00	0.246	0.235	0.0206	0.493	0.469	1.088
296	835	12.00	0.248	0.238	0.0208	0.496	0.471	1.088
296	836	12.10	0.248	0.238	0.0210	0.499	0.476	1.088
296	837	12.10	0.248	0.238	0.0211	0.502	0.478	1.093

HTI SUNLIGHT INTENSITY STUDY: USEPA CONTRACT NO. 68-02-2258 LUNAR DATE: 10-23-75 JULIAN DATE: 75296

JULIAN DATE	TIME (EST)	TEMP (°C)	NUB (PPM)	K1B (1/MIN)	UV (LANGLEYS/MIN)	TSR (LANGLEYS/MIN)	395 (LANGLEYS/MIN)	NIP (LANGLEYS/MIN)
296	838	12.30	0.250	0.241	0.0213	0.507	0.482	1.093
296	839	12.30	0.252	0.244	0.0216	0.513	0.487	1.098
296	840	12.40	0.252	0.244	0.0219	0.517	0.491	1.103
296	841	12.60	0.254	0.247	0.0221	0.522	0.496	1.108
296	842	12.60	0.256	0.250	0.0223	0.526	0.498	1.108
296	843	12.80	0.256	0.250	0.0226	0.531	0.504	1.113
296	844	12.90	0.258	0.253	0.0228	0.535	0.509	1.118
296	845	13.00	0.260	0.256	0.0230	0.540	0.513	1.118
296	846	13.20	0.260	0.256	0.0232	0.544	0.515	1.122
296	847	13.30	0.261	0.259	0.0234	0.549	0.520	1.122
296	848	13.40	0.261	0.259	0.0237	0.553	0.524	1.127
296	849	13.40	0.263	0.262	0.0238	0.556	0.529	1.127
296	850	13.60	0.263	0.262	0.0240	0.559	0.531	1.132
296	851	13.70	0.263	0.262	0.0243	0.565	0.535	1.137
296	852	13.80	0.265	0.265	0.0244	0.570	0.540	1.132
296	853	14.00	0.265	0.265	0.0246	0.571	0.542	1.137
296	854	14.00	0.265	0.265	0.0248	0.577	0.546	1.137
296	855	14.20	0.267	0.268	0.0250	0.582	0.551	1.142
296	856	14.20	0.267	0.268	0.0252	0.586	0.555	1.147
296	857	14.30	0.267	0.268	0.0254	0.589	0.560	1.142
296	858	14.40	0.267	0.268	0.0256	0.594	0.564	1.147
296	859	14.40	0.269	0.271	0.0258	0.598	0.569	1.147
296	900	14.50	0.271	0.274	0.0260	0.603	0.571	1.152
296	901	14.60	0.271	0.275	0.0262	0.606	0.575	1.156
296	902	14.60	0.273	0.278	0.0265	0.612	0.580	1.156
296	903	14.80	0.273	0.278	0.0267	0.617	0.586	1.161
296	904	14.80	0.273	0.278	0.0268	0.621	0.588	1.161
296	905	14.90	0.273	0.278	0.0270	0.624	0.591	1.166
296	906	15.00	0.277	0.284	0.0273	0.627	0.595	1.171
296	907	15.20	0.277	0.284	0.0275	0.633	0.602	1.171
296	908	15.30	0.277	0.284	0.0276	0.636	0.604	1.171
296	909	15.30	0.277	0.284	0.0279	0.642	0.608	1.171
296	910	15.40	0.279	0.287	0.0280	0.644	0.613	1.166
296	911	15.40	0.279	0.287	0.0282	0.648	0.613	1.171
296	912	15.50	0.281	0.291	0.0284	0.650	0.615	1.176
296	913	15.70	0.281	0.291	0.0286	0.653	0.619	1.181
296	914	15.70	0.281	0.291	0.0288	0.657	0.624	1.181
296	915	15.90	0.279	0.288	0.0290	0.662	0.628	1.186
296	916	15.90	0.281	0.291	0.0292	0.666	0.631	1.190
296	917	16.10	0.283	0.294	0.0295	0.669	0.635	1.190
296	918	16.10	0.285	0.298	0.0296	0.671	0.637	1.190
296	919	16.30	0.285	0.298	0.0298	0.675	0.642	1.190
296	920	16.40	0.285	0.298	0.0300	0.680	0.646	1.195
296	921	16.50	0.285	0.298	0.0302	0.683	0.648	1.195
296	922	16.60	0.287	0.301	0.0304	0.689	0.655	1.195
296	923	16.80	0.287	0.301	0.0306	0.692	0.657	1.200
296	924	16.90	0.287	0.301	0.0307	0.695	0.659	1.200
296	925	17.00	0.287	0.301	0.0309	0.698	0.664	1.205
296	926	17.10	0.289	0.305	0.0311	0.701	0.666	1.200
296	927	17.30	0.289	0.305	0.0313	0.707	0.673	1.210
296	928	17.30	0.287	0.301	0.0314	0.708	0.673	1.205
296	929	17.50	0.291	0.308	0.0317	0.713	0.679	1.210

RTI SUNLIGHT INTENSITY STUDY: USEPA CONTRACT NO. 68-02-2258 LUNAR DATE: 10-23-75 JULIAN DATE: 75296

JULIAN DATE	TIME (EST)	TEMP (°C)	NOB (PPM)	KIB (1/MIN)	UV (LANGLEYS/MIN)	TSR (LANGLEYS/MIN)	395 (LANGLEYS/MIN)	NIP (LANGLEYS/MIN)
296	930	17.70	0.289	0.305	0.0319	0.716	0.681	1.210
296	931	18.00	0.289	0.305	0.0320	0.719	0.684	1.210
296	932	18.20	0.289	0.305	0.0323	0.723	0.688	1.210
296	933	18.40	0.291	0.308	0.0323	0.726	0.690	1.205
296	1035	23.60	0.309	0.342	0.0420	0.899	0.854	1.273
296	1036	23.60	0.309	0.342	0.0422	0.902	0.856	1.278
296	1037	23.70	0.313	0.350	0.0424	0.905	0.861	1.278
296	1038	23.90	0.313	0.350	0.0426	0.908	0.863	1.278
296	1039	24.00	0.313	0.350	0.0427	0.911	0.865	1.278
296	1040	24.10	0.313	0.350	0.0428	0.911	0.865	1.278
296	1041	24.10	0.311	0.346	0.0428	0.913	0.867	1.278
296	1042	24.20	0.313	0.350	0.0429	0.914	0.867	1.278
296	1043	24.20	0.313	0.350	0.0431	0.917	0.863	1.283
296	1044	24.10	0.313	0.350	0.0432	0.919	0.872	1.278
296	1045	24.20	0.313	0.350	0.0434	0.923	0.874	1.283
296	1046	24.10	0.313	0.350	0.0435	0.923	0.876	1.283
296	1047	24.30	0.313	0.350	0.0436	0.926	0.878	1.288
296	1048	24.30	0.315	0.354	0.0438	0.929	0.881	1.288
296	1049	24.30	0.315	0.354	0.0438	0.931	0.883	1.288
296	1050	24.30	0.315	0.354	0.0440	0.935	0.885	1.293
296	1051	24.30	0.315	0.354	0.0441	0.935	0.885	1.288
296	1052	24.30	0.313	0.350	0.0443	0.940	0.889	1.293
296	1053	24.10	0.315	0.354	0.0444	0.941	0.889	1.293
296	1054	23.90	0.317	0.357	0.0444	0.941	0.889	1.293
296	1055	24.00	0.317	0.357	0.0445	0.944	0.892	1.293
296	1056	24.00	0.315	0.354	0.0445	0.946	0.896	1.293
296	1057	24.20	0.315	0.354	0.0447	0.950	0.898	1.293
296	1058	24.10	0.315	0.354	0.0449	0.952	0.900	1.297
296	1059	24.40	0.317	0.357	0.0450	0.955	0.903	1.297
296	1100	24.50	0.319	0.361	0.0451	0.956	0.905	1.297
296	1101	24.60	0.317	0.358	0.0452	0.959	0.907	1.297
296	1102	24.70	0.317	0.358	0.0453	0.959	0.907	1.297
296	1103	24.60	0.315	0.354	0.0454	0.959	0.907	1.293
296	1104	24.60	0.319	0.361	0.0455	0.961	0.907	1.297
296	1105	24.80	0.319	0.361	0.0455	0.961	0.907	1.293
296	1106	24.80	0.319	0.361	0.0456	0.964	0.912	1.302
296	1107	25.00	0.317	0.358	0.0458	0.965	0.912	1.297
296	1108	25.10	0.317	0.358	0.0460	0.968	0.914	1.297
296	1109	25.00	0.317	0.358	0.0462	0.971	0.916	1.302
296	1110	25.00	0.319	0.362	0.0462	0.971	0.918	1.302
296	1111	25.00	0.319	0.362	0.0463	0.973	0.918	1.302
296	1112	25.10	0.321	0.365	0.0464	0.974	0.920	1.302
296	1113	25.10	0.319	0.362	0.0466	0.979	0.923	1.307
296	1114	25.00	0.319	0.362	0.0466	0.979	0.925	1.307
296	1115	25.10	0.319	0.362	0.0465	0.976	0.923	1.307
296	1116	25.30	0.319	0.362	0.0466	0.979	0.923	1.307
296	1117	25.10	0.323	0.369	0.0467	0.980	0.925	1.307
296	1118	25.10	0.329	0.381	0.0467	0.980	0.925	1.263
296	1119	25.10	0.335	0.393	0.0467	0.980	0.925	1.302
296	1120	25.10	0.339	0.401	0.0468	0.982	0.927	1.307
296	1121	24.90	0.339	0.401	0.0469	0.985	0.927	1.307
296	1122	25.00	0.333	0.389	0.0468	0.983	0.927	1.307

HTI SUNLIGHT INTENSITY STUDY: USEPA CONTRACT NO. 68-02-2258 LUNAR DATE: 10-23-75 JULIAN DATE: 75296

JULIAN DATE	TIME (EST)	TEMP (°C)	NOB (PPM)	K18 (1/MIN)	UV (LANGLEYS/MIN)	TSR (LANGLEYS/MIN)	395 (LANGLEYS/MIN)	NIP (LANGLEYS/MIN)
296	1123	24.90	0.327	0.377	0.0467	0.985	0.929	1.302
296	1124	24.80	0.319	0.361	0.0469	0.985	0.929	1.302
296	1125	24.80	0.317	0.358	0.0469	0.986	0.929	1.302
296	1126	25.00	0.319	0.362	0.0470	0.989	0.931	1.302
296	1127	25.00	0.319	0.362	0.0470	0.991	0.934	1.302
296	1128	25.30	0.319	0.362	0.0471	0.992	0.934	1.297
296	1129	25.50	0.319	0.362	0.0469	0.989	0.931	1.297
296	1130	25.80	0.321	0.366	0.0471	0.992	0.931	1.302
296	1131	25.80	0.319	0.362	0.0472	0.994	0.934	1.302
296	1132	25.60	0.321	0.366	0.0473	0.995	0.934	1.302
296	1133	25.50	0.321	0.366	0.0472	0.995	0.936	1.302
296	1134	25.60	0.321	0.366	0.0474	0.997	0.936	1.302
296	1135	25.40	0.321	0.366	0.0474	0.997	0.936	1.307
296	1137	25.60	0.319	0.362	0.0474	0.997	0.936	1.302
296	1138	25.60	0.321	0.366	0.0474	0.998	0.938	1.302
296	1139	25.60	0.321	0.366	0.0473	0.997	0.936	1.302
296	1140	25.80	0.321	0.366	0.0474	0.998	0.936	1.302
296	1141	25.60	0.319	0.362	0.0474	0.998	0.938	1.302
296	1142	25.80	0.319	0.362	0.0473	0.998	0.938	1.297
296	1143	25.90	0.319	0.362	0.0473	0.998	0.938	1.293
296	1144	25.90	0.321	0.366	0.0471	0.997	0.936	1.288
296	1145	25.90	0.319	0.362	0.0471	0.995	0.934	1.288
296	1146	25.80	0.319	0.362	0.0471	0.995	0.934	1.288
296	1147	26.00	0.317	0.358	0.0473	0.997	0.936	1.288
296	1148	26.00	0.319	0.362	0.0474	0.998	0.936	1.293
296	1149	26.10	0.323	0.370	0.0474	1.000	0.938	1.293
296	1150	26.00	0.321	0.366	0.0475	1.003	0.940	1.293
296	1151	25.90	0.319	0.362	0.0475	1.003	0.940	1.293
296	1152	25.90	0.319	0.362	0.0474	1.002	0.938	1.288
296	1153	25.90	0.321	0.366	0.0474	1.000	0.938	1.288
296	1154	26.00	0.321	0.366	0.0477	1.003	0.940	1.293
296	1155	26.00	0.323	0.370	0.0474	1.000	0.936	1.288
296	1156	26.00	0.321	0.366	0.0474	1.000	0.936	1.283
296	1157	25.70	0.319	0.362	0.0477	1.003	0.940	1.293
296	1158	25.80	0.319	0.362	0.0477	1.005	0.942	1.297
296	1159	25.60	0.323	0.370	0.0474	1.000	0.938	1.293
296	1200	25.60	0.323	0.370	0.0468	0.992	0.929	1.278
296	1201	25.60	0.319	0.362	0.0471	0.997	0.936	1.283
296	1202	25.60	0.317	0.358	0.0471	1.000	0.936	1.293
296	1203	25.70	0.319	0.362	0.0468	0.995	0.931	1.283
296	1204	25.90	0.319	0.362	0.0468	0.995	0.931	1.278
296	1205	26.00	0.317	0.358	0.0467	0.995	0.931	1.283
296	1206	25.90	0.317	0.358	0.0467	0.995	0.934	1.278
296	1207	25.80	0.317	0.358	0.0468	0.995	0.931	1.283
296	1208	25.90	0.315	0.354	0.0467	0.995	0.934	1.278
296	1209	25.90	0.317	0.358	0.0467	0.995	0.931	1.273
296	1210	26.00	0.319	0.362	0.0470	0.998	0.936	1.278
296	1211	26.00	0.321	0.366	0.0474	1.003	0.938	1.283
296	1212	26.00	0.319	0.362	0.0478	1.009	0.945	1.297
296	1213	26.00	0.321	0.366	0.0473	1.002	0.936	1.293
296	1214	25.80	0.323	0.370	0.0466	0.994	0.929	1.283
296	1215	25.80	0.321	0.366	0.0466	0.991	0.927	1.278

HII SUNLIGHT INTENSITY STUDY: USEPA CONTRACT NO. 68-02-2258 LUNAR DATE: 10-23-75 JULIAN DATE: 75296

JULIAN DATE	TIME (EST)	TEMP (°C)	NOB (PPM)	K1B (1/MIN)	UV (LANGLEYS/MIN)	TSR (LANGLEYS/MIN)	395 (LANGLEYS/MIN)	NIP (LANGLEYS/MIN)
296	1216	25.90	0.319	0.362	0.0469	0.995	0.931	1.278
296	1217	26.20	0.317	0.358	0.0466	0.994	0.929	1.273
296	1218	26.40	0.317	0.358	0.0464	0.991	0.927	1.268
296	1219	26.60	0.319	0.362	0.0466	0.992	0.927	1.268
296	1220	26.60	0.319	0.362	0.0465	0.991	0.925	1.263
296	1221	26.60	0.321	0.366	0.0463	0.985	0.923	1.263
296	1222	26.50	0.319	0.362	0.0461	0.985	0.920	1.263
296	1223	26.40	0.319	0.362	0.0462	0.985	0.920	1.268
296	1224	26.20	0.319	0.362	0.0465	0.989	0.925	1.278
296	1225	26.20	0.319	0.362	0.0467	0.991	0.927	1.283
296	1226	26.40	0.319	0.362	0.0466	0.992	0.927	1.278
296	1227	26.40	0.321	0.366	0.0469	0.995	0.929	1.283
296	1228	26.50	0.321	0.366	0.0466	0.992	0.927	1.283
296	1229	26.60	0.319	0.362	0.0463	0.989	0.923	1.278
296	1230	26.60	0.321	0.366	0.0464	0.989	0.925	1.278
296	1231	26.60	0.319	0.362	0.0463	0.989	0.925	1.278
296	1232	26.50	0.319	0.362	0.0465	0.989	0.927	1.283
296	1233	26.40	0.319	0.362	0.0466	0.992	0.927	1.283
296	1234	26.70	0.319	0.362	0.0465	0.991	0.925	1.283
296	1235	26.50	0.319	0.362	0.0464	0.988	0.923	1.288
296	1236	26.30	0.321	0.366	0.0463	0.986	0.923	1.288
296	1237	26.30	0.319	0.362	0.0463	0.986	0.923	1.288
296	1238	26.40	0.319	0.362	0.0463	0.986	0.923	1.283
296	1239	26.40	0.317	0.358	0.0465	0.988	0.925	1.288
296	1240	26.40	0.319	0.362	0.0463	0.986	0.920	1.288
296	1241	26.50	0.319	0.362	0.0461	0.983	0.918	1.283
296	1242	26.30	0.321	0.366	0.0460	0.980	0.916	1.288
296	1243	26.30	0.321	0.366	0.0458	0.977	0.916	1.288
296	1244	26.30	0.317	0.358	0.0459	0.980	0.916	1.288
296	1245	26.50	0.317	0.358	0.0458	0.977	0.914	1.288
296	1246	26.40	0.317	0.358	0.0459	0.980	0.916	1.293
296	1247	26.40	0.317	0.358	0.0457	0.976	0.912	1.288
296	1248	26.30	0.317	0.358	0.0455	0.974	0.909	1.288
296	1249	26.30	0.317	0.358	0.0453	0.973	0.907	1.283
296	1250	26.30	0.315	0.355	0.0452	0.971	0.907	1.278
296	1251	26.40	0.315	0.355	0.0450	0.968	0.905	1.273
296	1252	26.60	0.317	0.359	0.0448	0.965	0.900	1.268
296	1253	26.60	0.317	0.359	0.0447	0.964	0.898	1.259
296	1254	26.60	0.315	0.355	0.0446	0.962	0.896	1.259
296	1257	26.60	0.317	0.359	0.0443	0.955	0.894	1.263
296	1258	26.70	0.315	0.355	0.0442	0.953	0.892	1.259
296	1259	26.60	0.313	0.351	0.0443	0.955	0.892	1.263
296	1300	26.40	0.313	0.351	0.0440	0.950	0.887	1.259
296	1301	26.10	0.311	0.347	0.0438	0.947	0.885	1.254
296	1302	26.00	0.313	0.351	0.0436	0.944	0.878	1.249
296	1303	26.00	0.311	0.347	0.0434	0.941	0.876	1.249
296	1304	26.00	0.311	0.347	0.0433	0.940	0.876	1.244
296	1305	26.10	0.311	0.347	0.0433	0.938	0.876	1.244
296	1306	26.20	0.311	0.347	0.0433	0.938	0.874	1.249
296	1307	26.40	0.311	0.347	0.0432	0.937	0.872	1.244
296	1308	26.40	0.313	0.351	0.0431	0.935	0.869	1.249
296	1309	26.50	0.311	0.347	0.0429	0.934	0.869	1.244

RTI SUNLIGHT INTENSITY STUDY: USEPA CONTRACT NO. 68-02-2258 LUNAR DATE: 10-23-75 JULIAN DATE: 75296

JULIAN DATE	TIME (EST)	TEMP (°C)	NOB (PPM)	K1B (1/MIN)	UV (LANGLEYS/MIN)	TSR (LANGLEYS/MIN)	395 (LANGLEYS/MIN)	NIP (LANGLEYS/MIN)
296	1310	26.90	0.309	0.344	0.0428	0.931	0.867	1.244
296	1311	27.10	0.309	0.344	0.0428	0.932	0.869	1.249
296	1312	27.10	0.309	0.344	0.0428	0.931	0.867	1.249
296	1313	27.30	0.311	0.348	0.0428	0.931	0.867	1.249
296	1314	27.10	0.311	0.348	0.0427	0.928	0.865	1.249
296	1315	26.80	0.307	0.340	0.0428	0.931	0.867	1.254
296	1316	26.50	0.309	0.344	0.0428	0.929	0.865	1.254
296	1317	26.50	0.313	0.351	0.0426	0.925	0.863	1.254
296	1318	26.60	0.313	0.351	0.0423	0.920	0.856	1.239
296	1319	26.50	0.311	0.347	0.0422	0.917	0.854	1.239
296	1320	26.50	0.309	0.344	0.0422	0.917	0.854	1.244
296	1321	26.50	0.309	0.344	0.0422	0.916	0.854	1.244
296	1322	26.50	0.309	0.344	0.0420	0.914	0.852	1.244
296	1323	26.40	0.311	0.347	0.0419	0.911	0.847	1.244
296	1324	26.50	0.311	0.347	0.0418	0.910	0.847	1.239
296	1325	26.50	0.309	0.344	0.0415	0.905	0.841	1.234
296	1326	26.50	0.309	0.344	0.0413	0.902	0.836	1.229
296	1327	26.40	0.307	0.340	0.0412	0.899	0.836	1.234
296	1328	26.20	0.309	0.344	0.0412	0.898	0.834	1.234
296	1329	26.40	0.307	0.340	0.0412	0.896	0.834	1.234
296	1330	26.50	0.307	0.340	0.0412	0.896	0.834	1.234
296	1331	26.50	0.307	0.340	0.0412	0.896	0.834	1.239
296	1332	26.50	0.309	0.344	0.0412	0.895	0.832	1.244
296	1333	26.50	0.309	0.344	0.0410	0.892	0.830	1.244
296	1334	26.60	0.309	0.344	0.0409	0.893	0.832	1.249
296	1335	26.60	0.309	0.344	0.0407	0.890	0.830	1.249
296	1336	26.80	0.307	0.340	0.0406	0.889	0.830	1.254
296	1337	26.50	0.307	0.340	0.0402	0.884	0.825	1.244
296	1338	26.70	0.305	0.337	0.0400	0.880	0.821	1.239
296	1339	26.80	0.307	0.340	0.0398	0.875	0.814	1.234
296	1340	26.80	0.307	0.340	0.0398	0.875	0.814	1.239
296	1341	26.90	0.303	0.333	0.0396	0.872	0.812	1.239
296	1342	26.90	0.303	0.333	0.0394	0.868	0.808	1.234
296	1343	26.90	0.303	0.333	0.0393	0.866	0.805	1.234
296	1344	26.90	0.305	0.337	0.0392	0.863	0.805	1.234
296	1345	26.80	0.305	0.337	0.0390	0.860	0.803	1.234
296	1346	26.90	0.305	0.337	0.0388	0.859	0.799	1.234
296	1418	26.90	0.287	0.305	0.0329	0.753	0.701	1.166
296	1419	26.80	0.287	0.305	0.0327	0.749	0.699	1.161
296	1420	26.80	0.287	0.305	0.0325	0.746	0.695	1.156
296	1421	27.00	0.287	0.306	0.0324	0.743	0.692	1.161
296	1422	26.90	0.285	0.302	0.0323	0.741	0.692	1.156
296	1423	27.10	0.285	0.302	0.0322	0.737	0.686	1.156
296	1424	26.90	0.285	0.302	0.0320	0.735	0.684	1.161
296	1425	26.80	0.285	0.302	0.0319	0.732	0.681	1.161
296	1426	26.70	0.287	0.305	0.0316	0.726	0.677	1.156
296	1427	26.70	0.285	0.302	0.0314	0.723	0.673	1.156
296	1428	26.70	0.283	0.299	0.0312	0.720	0.670	1.156
296	1429	26.60	0.281	0.295	0.0311	0.717	0.666	1.161
296	1430	26.70	0.281	0.296	0.0310	0.714	0.666	1.156
296	1431	26.60	0.281	0.295	0.0308	0.711	0.664	1.156
296	1432	26.60	0.281	0.295	0.0306	0.705	0.659	1.156

RTI SUNLIGHT INTENSITY STUDY: USEPA CONTRACT NO. 68-02-2258 LUNAR DATE: 10-23-75 JULIAN DATE: 75296

JULIAN DATE	TIME (EST)	TEMP (°C)	NOB (PPM)	K1B (1/MIN)	UV (LANGLEYS/MIN)	TSR (LANGLEYS/MIN)	395 (LANGLEYS/MIN)	NIP (LANGLEYS/MIN)
296	1433	26.60	0.279	0.292	0.0303	0.701	0.655	1.152
296	1434	26.70	0.277	0.289	0.0300	0.696	0.650	1.142
296	1435	26.80	0.277	0.289	0.0300	0.696	0.648	1.152
296	1436	26.80	0.275	0.286	0.0298	0.692	0.644	1.142
296	1437	26.90	0.275	0.286	0.0296	0.687	0.642	1.137
296	1438	27.00	0.277	0.289	0.0294	0.684	0.639	1.137
296	1439	27.00	0.275	0.286	0.0292	0.680	0.635	1.137
296	1440	27.00	0.273	0.283	0.0289	0.675	0.631	1.132
296	1441	26.90	0.271	0.280	0.0288	0.674	0.628	1.132
296	1442	26.90	0.271	0.280	0.0287	0.671	0.624	1.127
296	1443	26.90	0.273	0.283	0.0285	0.666	0.622	1.127
296	1444	26.90	0.273	0.283	0.0281	0.660	0.615	1.122
296	1445	26.90	0.271	0.280	0.0279	0.657	0.611	1.118
296	1446	26.90	0.269	0.276	0.0279	0.653	0.608	1.122
296	1447	21.30	0.267	0.271	0.0278	0.653	0.608	1.127
296	1448	26.70	0.269	0.276	0.0275	0.647	0.604	1.127
296	1449	26.60	0.267	0.273	0.0273	0.642	0.600	1.127
296	1450	26.60	0.267	0.273	0.0270	0.639	0.595	1.122
296	1451	26.60	0.267	0.273	0.0268	0.633	0.591	1.118
296	1452	26.80	0.265	0.270	0.0266	0.629	0.586	1.113
296	1453	26.90	0.261	0.264	0.0264	0.624	0.584	1.108
296	1454	26.90	0.263	0.267	0.0262	0.621	0.580	1.103
296	1455	26.80	0.263	0.267	0.0260	0.617	0.577	1.103
296	1456	26.80	0.263	0.267	0.0258	0.612	0.573	1.098
296	1457	26.80	0.261	0.264	0.0257	0.609	0.569	1.098
296	1458	26.80	0.261	0.264	0.0254	0.605	0.564	1.103
296	1459	26.80	0.260	0.261	0.0253	0.600	0.560	1.103
296	1500	26.80	0.258	0.258	0.0251	0.597	0.558	1.098
296	1501	26.90	0.258	0.258	0.0249	0.592	0.555	1.093
296	1502	27.00	0.258	0.258	0.0248	0.591	0.551	1.088
296	1503	26.90	0.260	0.261	0.0245	0.585	0.544	1.088
296	1504	26.80	0.256	0.255	0.0243	0.580	0.542	1.088
296	1505	26.80	0.254	0.252	0.0240	0.574	0.535	1.084
296	1506	26.70	0.254	0.252	0.0238	0.570	0.531	1.079
296	1507	26.80	0.254	0.252	0.0237	0.567	0.529	1.084
296	1508	26.90	0.252	0.249	0.0234	0.562	0.524	1.079
296	1509	27.00	0.252	0.250	0.0232	0.558	0.520	1.079
296	1510	27.10	0.250	0.247	0.0230	0.552	0.515	1.069
296	1511	27.10	0.246	0.241	0.0228	0.549	0.513	1.069
296	1512	27.20	0.248	0.244	0.0227	0.547	0.511	1.064
296	1513	27.10	0.248	0.244	0.0224	0.541	0.504	1.064
296	1514	27.10	0.248	0.244	0.0221	0.535	0.500	1.059
296	1515	27.00	0.246	0.241	0.0219	0.531	0.498	1.054
296	1516	27.00	0.244	0.238	0.0217	0.523	0.491	1.050
296	1517	27.00	0.240	0.232	0.0215	0.520	0.487	1.050
296	1518	26.90	0.240	0.232	0.0213	0.514	0.482	1.045
296	1519	26.80	0.240	0.232	0.0211	0.513	0.480	1.045
296	1520	26.80	0.238	0.230	0.0210	0.510	0.478	1.045
296	1521	26.80	0.238	0.230	0.0209	0.508	0.473	1.045
296	1522	26.90	0.238	0.230	0.0207	0.502	0.469	1.040
296	1523	26.80	0.238	0.230	0.0204	0.496	0.462	1.035
296	1524	26.90	0.236	0.227	0.0202	0.492	0.460	1.030

MTI SUNLIGHT INTENSITY STUDY: USEPA CONTRACT NO. 68-02-2258 LUNAR DATE: 10-23-75 JULIAN DATE: 75296

JULIAN DATE	TIME (EST)	TEMP (°C)	NOB (PPM)	K18 (1/MIN)	UV (LANGLEYS/MIN)	TSR (LANGLEYS/MIN)	395 (LANGLEYS/MIN)	NIP (LANGLEYS/MIN)
296	1525	26.80	0.236	0.227	0.0200	0.486	0.454	1.030
296	1526	26.80	0.234	0.224	0.0198	0.483	0.451	1.035
296	1527	26.60	0.230	0.219	0.0197	0.478	0.447	1.025
296	1528	26.60	0.230	0.219	0.0194	0.475	0.442	1.025
296	1529	26.60	0.228	0.216	0.0192	0.469	0.438	1.025
296	1530	26.60	0.228	0.216	0.0189	0.465	0.434	1.020
296	1531	26.50	0.228	0.216	0.0188	0.462	0.429	1.016
296	1532	26.50	0.224	0.211	0.0186	0.457	0.427	1.016
296	1533	26.50	0.222	0.208	0.0185	0.453	0.423	1.016
296	1534	26.50	0.222	0.208	0.0183	0.448	0.418	1.011
296	1535	26.40	0.222	0.208	0.0181	0.445	0.416	1.011
296	1536	26.40	0.224	0.211	0.0179	0.441	0.409	1.006
296	1537	26.40	0.224	0.211	0.0177	0.435	0.405	1.001
296	1538	26.40	0.222	0.208	0.0175	0.429	0.400	0.996
296	1539	26.40	0.220	0.205	0.0173	0.424	0.396	0.991
296	1540	26.40	0.218	0.203	0.0170	0.421	0.392	0.986
296	1541	26.00	0.216	0.200	0.0168	0.415	0.387	0.986
296	1542	26.20	0.214	0.198	0.0167	0.411	0.381	0.982
296	1543	26.20	0.212	0.195	0.0164	0.405	0.374	0.972
296	1544	26.20	0.208	0.190	0.0162	0.402	0.369	0.972
296	1545	26.20	0.206	0.188	0.0161	0.397	0.367	0.972
296	1546	26.30	0.206	0.188	0.0159	0.392	0.363	0.967
296	1547	26.30	0.206	0.188	0.0157	0.389	0.361	0.967
296	1548	25.80	0.204	0.185	0.0155	0.383	0.356	0.962
296	1549	25.90	0.202	0.183	0.0153	0.380	0.352	0.962
296	1550	25.90	0.200	0.180	0.0151	0.376	0.347	0.962
296	1551	25.60	0.200	0.180	0.0148	0.371	0.343	0.957
296	1552	25.70	0.198	0.178	0.0147	0.367	0.338	0.952
296	1553	25.80	0.198	0.178	0.0145	0.362	0.334	0.948
296	1554	25.80	0.196	0.175	0.0143	0.358	0.327	0.943
296	1555	25.90	0.192	0.171	0.0141	0.353	0.325	0.938
296	1556	26.00	0.190	0.168	0.0140	0.349	0.319	0.933
296	1557	26.00	0.190	0.168	0.0138	0.344	0.314	0.933
296	1558	26.00	0.190	0.168	0.0136	0.340	0.310	0.928
296	1559	26.00	0.188	0.166	0.0135	0.335	0.308	0.928
296	1600	26.00	0.188	0.166	0.0132	0.331	0.303	0.928
296	1601	25.90	0.182	0.159	0.0130	0.328	0.299	0.923
296	1602	25.90	0.182	0.159	0.0128	0.322	0.294	0.914
296	1603	25.70	0.180	0.157	0.0126	0.317	0.290	0.914
296	1604	25.60	0.180	0.157	0.0124	0.311	0.283	0.904
296	1605	25.70	0.176	0.152	0.0122	0.307	0.279	0.899
296	1606	25.90	0.174	0.150	0.0121	0.302	0.274	0.894
296	1607	25.90	0.172	0.148	0.0118	0.298	0.270	0.889
296	1608	25.70	0.170	0.146	0.0116	0.293	0.265	0.884
296	1609	25.60	0.168	0.144	0.0115	0.289	0.261	0.879
296	1610	25.70	0.166	0.141	0.0112	0.284	0.257	0.875
296	1611	25.80	0.164	0.139	0.0111	0.280	0.254	0.870
296	1612	25.80	0.162	0.137	0.0108	0.274	0.246	0.860
296	1613	25.90	0.160	0.135	0.0107	0.269	0.241	0.855
296	1614	25.90	0.160	0.135	0.0105	0.265	0.237	0.855
296	1615	25.90	0.158	0.133	0.0103	0.260	0.232	0.845
296	1616	25.80	0.155	0.129	0.0102	0.256	0.228	0.845

RTI SUNLIGHT INTENSITY STUDY: USEPA CONTRACT NO. 68-02-2258 LUNAR DATE: 10-23-75 JULIAN DATE: 75296

JULIAN DATE	TIME (EST)	TEMP (°C)	NOB (PPM)	K1B (1/MIN)	UV (LANGLEYS/MIN)	TSR (LANGLEYS/MIN)	395 (LANGLEYS/MIN)	VIP (LANGLEYS/MIN)
296	1617	25.70	0.153	0.127	0.0099	0.251	0.223	0.841
296	1618	25.80	0.151	0.125	0.0098	0.248	0.221	0.836
296	1619	25.80	0.149	0.123	0.0096	0.241	0.215	0.826
296	1620	25.80	0.147	0.121	0.0094	0.236	0.210	0.816
296	1621	25.70	0.145	0.119	0.0093	0.233	0.208	0.816
296	1622	25.40	0.143	0.117	0.0090	0.227	0.201	0.807
296	1623	25.20	0.141	0.115	0.0089	0.224	0.199	0.802
296	1624	25.20	0.139	0.113	0.0088	0.218	0.192	0.797
296	1625	25.30	0.137	0.111	0.0086	0.215	0.190	0.792
296	1626	25.30	0.135	0.109	0.0084	0.211	0.186	0.787
296	1627	25.40	0.133	0.107	0.0082	0.206	0.184	0.782
296	1628	25.30	0.129	0.103	0.0080	0.202	0.179	0.773
296	1629	25.20	0.127	0.101	0.0079	0.197	0.175	0.768
296	1630	25.00	0.125	0.099	0.0077	0.192	0.168	0.758
296	1631	25.00	0.125	0.099	0.0075	0.188	0.164	0.748
296	1632	24.80	0.121	0.095	0.0074	0.183	0.159	0.743
296	1633	24.60	0.119	0.093	0.0072	0.177	0.157	0.734
296	1634	24.40	0.117	0.092	0.0070	0.173	0.153	0.729
296	1635	24.30	0.113	0.088	0.0069	0.168	0.148	0.719
296	1636	24.10	0.111	0.086	0.0067	0.165	0.144	0.714
296	1637	24.10	0.109	0.084	0.0066	0.161	0.142	0.705
296	1638	24.00	0.107	0.082	0.0064	0.156	0.137	0.700
296	1639	23.80	0.105	0.081	0.0062	0.153	0.133	0.685
296	1640	23.80	0.101	0.077	0.0061	0.147	0.128	0.680
296	1641	23.80	0.099	0.075	0.0059	0.144	0.126	0.671
296	1642	23.60	0.099	0.075	0.0058	0.138	0.122	0.661
296	1643	23.50	0.095	0.072	0.0056	0.134	0.117	0.646
296	1644	23.40	0.091	0.068	0.0055	0.131	0.115	0.641
296	1645	23.30	0.089	0.067	0.0053	0.126	0.111	0.632
296	1646	23.10	0.087	0.065	0.0052	0.122	0.106	0.622
296	1647	23.00	0.085	0.063	0.0050	0.117	0.102	0.612
296	1648	23.00	0.083	0.062	0.0050	0.113	0.100	0.603
296	1649	22.80	0.081	0.060	0.0048	0.108	0.093	0.588
296	1650	22.70	0.077	0.057	0.0046	0.104	0.091	0.583
296	1651	22.50	0.075	0.055	0.0045	0.101	0.086	0.573
296	1652	22.40	0.075	0.055	0.0044	0.096	0.084	0.559
296	1653	22.30	0.071	0.052	0.0042	0.093	0.080	0.549
296	1654	22.10	0.069	0.050	0.0041	0.089	0.075	0.539
296	1655	22.10	0.067	0.049	0.0039	0.084	0.071	0.530
296	1656	22.00	0.065	0.047	0.0038	0.080	0.069	0.515
296	1657	21.90	0.063	0.046	0.0037	0.077	0.066	0.500
296	1658	21.80	0.061	0.044	0.0035	0.074	0.062	0.496
296	1659	21.60	0.059	0.042	0.0034	0.069	0.058	0.481
296	1700	21.30	0.055	0.039	0.0033	0.066	0.055	0.466
296	1701	21.30	0.055	0.039	0.0031	0.063	0.053	0.457
296	1702	21.10	0.053	0.038	0.0030	0.059	0.049	0.442
296	1703	21.00	0.052	0.036	0.0029	0.056	0.046	0.432
296	1704	20.90	0.050	0.035	0.0028	0.053	0.044	0.413
296	1705	20.70	0.044	0.030	0.0027	0.050	0.042	0.403
296	1706	20.60	0.042	0.029	0.0026	0.047	0.040	0.389
296	1707	20.60	0.040	0.027	0.0025	0.045	0.038	0.374
296	1708	20.50	0.040	0.027	0.0023	0.042	0.035	0.355

KTI SUNLIGHT INTENSITY STUDY: USEPA CONTRACT NO. 68-02-2258 LUNAR DATE: 10-23-75 JULIAN DATE: 75296

JULIAN DATE	TIME (EST)	TEMP (°C)	NUB (PPM)	K1B (1/MIN)	UV (LANGLEYS/MIN)	TSR (LANGLEYS/MIN)	395 (LANGLEYS/MIN)	NIP (LANGLEYS/MIN)
296	1709	20.40	0.038	0.026	0.0022	0.038	0.031	0.335
296	1710	20.40	0.036	0.025	0.0021	0.035	0.029	0.321
296	1711	20.30	0.034	0.023	0.0020	0.033	0.027	0.209
296	1712	20.20	0.032	0.022	0.0020	0.030	0.024	0.068
296	1713	20.10	0.030	0.020	0.0018	0.026	0.020	0.024
296	1714	20.00	0.028	0.019	0.0017	0.024	0.020	0.024
296	1715	20.00	0.028	0.019	0.0016	0.021	0.015	0.034
296	1716	19.90	0.026	0.017	0.0015	0.020	0.015	0.034
296	1717	19.80	0.026	0.017	0.0014	0.014	0.009	0.034
296	1718	19.80	0.024	0.016	0.0014	0.011	0.007	0.029
296	1719	19.60	0.022	0.015	0.0012	0.008	0.004	0.024
296	1720	19.50	0.020	0.013	0.0012	0.008	0.004	0.034
296	1721	19.40	0.018	0.012	0.0011	0.008	0.002	0.024
296	1722	19.30	0.018	0.012	0.0010	0.006	0.004	0.024
296	1723	19.20	0.016	0.011	0.0009	0.005	0.002	0.029
296	1724	19.00	0.016	0.011	0.0009	0.005	0.002	0.024
296	1725	18.90	0.014	0.009	0.0008	0.003	0.0	0.015
296	1726	18.90	0.014	0.009	0.0007	0.003	0.0	0.015
296	1727	18.80	0.012	0.008	0.0007	0.002	-.002	0.015
296	1728	18.80	0.012	0.008	0.0006	0.0	-.002	0.015
296	1729	18.70	0.010	0.007	0.0006	0.0	-.002	0.015

KTI SUNLIGHT INTENSITY STUDY: USEPA CONTRACT NO. 68-02-2258 LUNAR DATE: 10-24-75 JULIAN DATE: 75297

JULIAN DATE	TIME (EST)	TEMP (°C)	NOB (PPM)	K1B (1/MIN)	UV (LANGLEYS/MIN)	TSR (LANGLEYS/MIN)	395 (LANGLEYS/MIN)	NIP (LANGLEYS/MIN)
297	636	10.00	0.012	0.006	0.0003	0.003	0.018	0.019
297	637	10.10	0.014	0.007	0.0004	0.005	0.020	0.019
297	638	10.10	0.016	0.009	0.0004	0.005	0.020	0.015
297	639	10.30	0.016	0.009	0.0004	0.005	0.020	0.015
297	640	10.40	0.016	0.009	0.0006	0.006	0.020	0.019
297	641	10.40	0.018	0.010	0.0007	0.005	0.020	0.019
297	642	10.50	0.018	0.010	0.0007	0.006	0.020	0.019
297	643	10.60	0.020	0.011	0.0008	0.006	0.022	0.019
297	644	10.60	0.022	0.013	0.0010	0.008	0.022	0.019
297	645	10.80	0.024	0.014	0.0011	0.008	0.022	0.019
297	646	10.80	0.026	0.015	0.0012	0.008	0.024	0.015
297	647	10.90	0.028	0.017	0.0012	0.008	0.022	0.019
297	648	10.90	0.028	0.017	0.0014	0.009	0.024	0.015
297	649	10.90	0.028	0.017	0.0015	0.009	0.022	0.019
297	650	11.00	0.031	0.018	0.0016	0.011	0.024	0.019
297	651	11.00	0.033	0.019	0.0017	0.011	0.024	0.015
297	652	11.00	0.035	0.021	0.0018	0.012	0.027	0.015
297	653	11.00	0.037	0.022	0.0019	0.012	0.027	0.019
297	654	11.00	0.037	0.022	0.0020	0.014	0.027	0.019
297	655	11.10	0.039	0.023	0.0021	0.014	0.027	0.019
297	656	11.10	0.041	0.025	0.0022	0.015	0.027	0.015
297	657	11.00	0.043	0.026	0.0023	0.015	0.029	0.019
297	658	11.10	0.045	0.027	0.0024	0.017	0.029	0.019
297	659	11.10	0.045	0.027	0.0026	0.017	0.029	0.019
297	700	11.10	0.047	0.029	0.0026	0.018	0.031	0.015
297	701	11.10	0.049	0.030	0.0029	0.021	0.031	0.019
297	702	11.10	0.051	0.031	0.0030	0.021	0.033	0.019
297	703	11.10	0.053	0.033	0.0031	0.021	0.033	0.019
297	704	11.10	0.053	0.033	0.0032	0.024	0.033	0.019
297	705	11.10	0.055	0.034	0.0034	0.026	0.035	0.019
297	706	11.10	0.057	0.036	0.0034	0.026	0.038	0.019
297	707	11.10	0.059	0.037	0.0036	0.026	0.035	0.019
297	708	11.10	0.061	0.039	0.0038	0.029	0.038	0.024
297	709	11.10	0.063	0.040	0.0039	0.030	0.040	0.024
297	710	11.10	0.061	0.039	0.0041	0.033	0.042	0.034
297	711	11.10	0.063	0.040	0.0043	0.038	0.046	0.053
297	712	11.10	0.067	0.043	0.0044	0.039	0.049	0.063
297	713	11.20	0.069	0.044	0.0045	0.041	0.051	0.058
297	714	11.10	0.071	0.046	0.0045	0.053	0.064	0.068
297	715	11.20	0.075	0.049	0.0047	0.065	0.073	0.087
297	716	11.10	0.077	0.050	0.0048	0.074	0.082	0.097
297	717	11.20	0.079	0.052	0.0049	0.077	0.086	0.102
297	718	11.30	0.081	0.053	0.0050	0.096	0.106	0.146
297	719	11.20	0.085	0.056	0.0052	0.110	0.117	0.175
297	720	11.30	0.089	0.060	0.0053	0.117	0.126	0.194
297	721	11.30	0.092	0.061	0.0055	0.128	0.137	0.219
297	722	11.30	0.096	0.064	0.0056	0.128	0.137	0.219
297	723	11.40	0.098	0.066	0.0057	0.134	0.144	0.228
297	724	11.40	0.102	0.069	0.0058	0.132	0.139	0.224
297	725	11.50	0.104	0.071	0.0060	0.140	0.146	0.243
297	726	11.50	0.104	0.071	0.0061	0.147	0.153	0.520
297	727	11.60	0.106	0.072	0.0064	0.155	0.162	0.549

RTI SUNLIGHT INTENSITY STUDY: USEPA CONTRACT NO. 68-02-2258 LUNAR DATE: 10-24-75 JULIAN DATE: 75297

JULIAN DATE	TIME (EST)	TEMP (°C)	NOB (PPM)	K1B (1/MIN)	UV (LANGLEYS/MIN)	TSR (LANGLEYS/MIN)	395 (LANGLEYS/MIN)	NIP (LANGLEYS/MIN)
297	728	11.70	0.110	0.076	0.0065	0.153	0.159	0.340
297	729	11.70	0.112	0.077	0.0066	0.161	0.166	0.539
297	730	11.70	0.114	0.079	0.0068	0.164	0.170	0.544
297	731	11.80	0.116	0.081	0.0071	0.168	0.175	0.549
297	732	11.80	0.118	0.082	0.0072	0.173	0.177	0.564
297	733	11.90	0.120	0.084	0.0075	0.179	0.184	0.578
297	734	12.00	0.122	0.086	0.0076	0.180	0.186	0.578
297	735	12.10	0.124	0.088	0.0077	0.176	0.181	0.554
297	736	12.10	0.126	0.089	0.0080	0.174	0.179	0.544
297	737	12.10	0.128	0.091	0.0080	0.149	0.153	0.408
297	738	12.20	0.128	0.091	0.0083	0.165	0.170	0.471
297	739	12.30	0.128	0.091	0.0083	0.165	0.168	0.457
297	740	12.30	0.130	0.093	0.0086	0.168	0.170	0.452
297	741	12.30	0.132	0.095	0.0087	0.188	0.190	0.534
297	742	12.40	0.136	0.098	0.0088	0.177	0.179	0.481
297	743	12.40	0.138	0.100	0.0091	0.189	0.192	0.510
297	744	12.40	0.140	0.102	0.0093	0.220	0.219	0.617
297	745	12.40	0.144	0.105	0.0096	0.233	0.235	0.666
297	746	12.60	0.148	0.109	0.0097	0.241	0.241	0.685
297	747	12.60	0.155	0.115	0.0099	0.250	0.250	0.709
297	748	12.60	0.159	0.119	0.0102	0.254	0.252	0.709
297	749	12.60	0.159	0.119	0.0103	0.254	0.254	0.705
297	750	12.70	0.163	0.123	0.0103	0.241	0.239	0.646
297	751	12.80	0.163	0.123	0.0105	0.242	0.241	0.637
297	752	12.80	0.165	0.125	0.0107	0.247	0.246	0.646
297	753	12.90	0.165	0.125	0.0107	0.221	0.219	0.544
297	754	12.90	0.165	0.125	0.0108	0.221	0.219	0.544
297	755	12.90	0.165	0.125	0.0110	0.217	0.215	0.515
297	756	12.90	0.163	0.123	0.0112	0.232	0.228	0.559
297	757	12.90	0.163	0.123	0.0115	0.253	0.250	0.622
297	758	13.00	0.169	0.129	0.0118	0.259	0.257	0.632
297	759	13.00	0.173	0.133	0.0119	0.268	0.263	0.651
297	800	13.10	0.179	0.139	0.0122	0.277	0.272	0.671
297	801	13.10	0.179	0.139	0.0124	0.272	0.268	0.646
297	802	13.10	0.183	0.143	0.0125	0.266	0.261	0.607
297	803	13.20	0.181	0.141	0.0127	0.275	0.270	0.632
297	804	13.20	0.183	0.143	0.0130	0.289	0.283	0.661
297	805	13.20	0.187	0.147	0.0133	0.313	0.305	0.729
297	806	13.30	0.191	0.151	0.0136	0.328	0.321	0.768
297	807	13.30	0.195	0.156	0.0137	0.329	0.323	0.758
297	808	13.40	0.197	0.158	0.0140	0.332	0.325	0.758
297	809	13.40	0.201	0.162	0.0143	0.346	0.338	0.792
297	810	13.50	0.203	0.164	0.0144	0.349	0.341	0.787
297	811	13.50	0.205	0.167	0.0145	0.340	0.334	0.758
297	812	13.50	0.205	0.167	0.0145	0.334	0.325	0.734
297	813	13.60	0.205	0.167	0.0145	0.325	0.316	0.695
297	814	13.60	0.205	0.167	0.0146	0.311	0.303	0.646
297	815	13.60	0.201	0.162	0.0148	0.319	0.310	0.661
297	816	13.60	0.203	0.165	0.0151	0.332	0.323	0.695
297	817	13.60	0.205	0.167	0.0156	0.359	0.350	0.763
297	818	13.60	0.207	0.169	0.0158	0.368	0.358	0.768
297	819	13.70	0.210	0.171	0.0162	0.385	0.374	0.807

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JULIAN DATE	TIME (EST)	TEMP (°C)	NOB (PPM)	K1B (1/MIN)	UV (LANGLEYS/MIN)	TSR (LANGLEYS/MIN)	395 (LANGLEYS/MIN)	NIP (LANGLEYS/MIN)
297	820	13.70	0.216	0.178	0.0164	0.389	0.378	0.811
297	821	13.70	0.220	0.183	0.0164	0.371	0.361	0.748
297	822	13.70	0.220	0.183	0.0164	0.364	0.352	0.724
297	823	13.70	0.220	0.183	0.0164	0.350	0.338	0.680
297	824	13.70	0.220	0.183	0.0167	0.376	0.363	0.739
297	825	13.80	0.220	0.183	0.0170	0.373	0.361	0.729
297	826	13.80	0.222	0.185	0.0171	0.374	0.363	0.729
297	827	13.80	0.222	0.185	0.0171	0.370	0.356	0.700
297	828	13.90	0.222	0.185	0.0175	0.397	0.383	0.768
297	829	13.90	0.224	0.188	0.0172	0.344	0.330	0.622
297	830	13.90	0.226	0.190	0.0180	0.405	0.389	0.763
297	831	14.00	0.224	0.188	0.0181	0.405	0.389	0.758
297	832	14.00	0.228	0.192	0.0181	0.391	0.376	0.714
297	833	14.10	0.230	0.195	0.0182	0.389	0.376	0.700
297	834	14.00	0.228	0.192	0.0182	0.388	0.372	0.685
297	835	14.00	0.228	0.192	0.0178	0.350	0.336	0.588
297	836	14.00	0.230	0.195	0.0178	0.344	0.330	0.573
297	837	14.00	0.224	0.188	0.0173	0.310	0.296	0.491
297	838	14.10	0.220	0.183	0.0171	0.301	0.288	0.462
297	839	14.10	0.214	0.176	0.0177	0.329	0.314	0.530
297	840	14.10	0.216	0.178	0.0182	0.365	0.350	0.607
297	841	14.10	0.218	0.181	0.0186	0.389	0.374	0.651
297	842	14.20	0.222	0.185	0.0181	0.344	0.330	0.539
297	843	14.20	0.224	0.188	0.0177	0.332	0.319	0.510
297	844	14.30	0.218	0.181	0.0171	0.292	0.279	0.413
297	845	14.30	0.216	0.178	0.0164	0.259	0.246	0.335
297	846	14.30	0.210	0.171	0.0160	0.239	0.228	0.292
297	847	14.30	0.199	0.160	0.0155	0.217	0.204	0.238
297	848	14.30	0.195	0.156	0.0145	0.167	0.157	0.131
297	849	14.30	0.185	0.145	0.0141	0.152	0.144	0.097
297	850	14.20	0.175	0.135	0.0137	0.141	0.133	0.068
297	851	14.10	0.169	0.129	0.0134	0.128	0.122	0.044
297	852	14.10	0.163	0.123	0.0132	0.123	0.115	0.029
297	853	14.10	0.159	0.119	0.0129	0.120	0.115	0.024
297	854	14.10	0.155	0.115	0.0129	0.120	0.113	0.024
297	855	14.10	0.153	0.113	0.0128	0.123	0.115	0.019
297	856	14.20	0.151	0.111	0.0128	0.128	0.122	0.019
297	857	14.30	0.153	0.113	0.0128	0.129	0.122	0.019
297	858	14.20	0.151	0.111	0.0128	0.135	0.128	0.024
297	859	14.30	0.153	0.113	0.0129	0.140	0.133	0.024
297	900	14.30	0.153	0.113	0.0131	0.147	0.142	0.034
297	901	14.30	0.153	0.113	0.0132	0.152	0.144	0.029
297	902	14.30	0.153	0.113	0.0133	0.158	0.150	0.029
297	903	14.40	0.155	0.115	0.0135	0.162	0.155	0.029
297	904	14.30	0.155	0.115	0.0135	0.167	0.159	0.024
297	905	14.30	0.157	0.117	0.0137	0.173	0.166	0.019
297	906	14.30	0.157	0.117	0.0140	0.179	0.170	0.024
297	907	14.30	0.159	0.119	0.0142	0.185	0.177	0.019
297	908	14.30	0.161	0.121	0.0145	0.192	0.184	0.019
297	909	14.30	0.161	0.121	0.0148	0.200	0.190	0.024
297	910	14.30	0.165	0.125	0.0151	0.209	0.199	0.024
297	911	14.40	0.167	0.127	0.0156	0.220	0.208	0.029

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JULIAN DATE	TIME (EST)	TEMP (°C)	NOB (PPM)	K1B (1/MIN)	UV (LANGLEYS/MIN)	TSR (LANGLEYS/MIN)	395 (LANGLEYS/MIN)	NIP (LANGLEYS/MIN)
297	912	14.40	0.167	0.127	0.0159	0.226	0.215	0.024
297	913	14.40	0.171	0.131	0.0161	0.230	0.219	0.019
297	914	14.50	0.171	0.131	0.0164	0.238	0.226	0.019
297	915	14.50	0.173	0.133	0.0168	0.248	0.237	0.024
297	916	14.50	0.177	0.137	0.0173	0.257	0.243	0.029
297	917	14.60	0.179	0.139	0.0176	0.266	0.252	0.029
297	918	14.60	0.183	0.143	0.0181	0.275	0.261	0.029
297	919	14.60	0.185	0.145	0.0184	0.283	0.268	0.024
297	920	14.60	0.187	0.147	0.0189	0.293	0.279	0.029
297	921	14.70	0.191	0.152	0.0194	0.304	0.290	0.029
297	922	14.80	0.195	0.156	0.0200	0.317	0.303	0.039
297	923	14.80	0.197	0.158	0.0205	0.331	0.316	0.049
297	924	14.90	0.201	0.163	0.0210	0.341	0.325	0.044
297	925	14.90	0.205	0.167	0.0215	0.355	0.338	0.058
297	926	15.00	0.212	0.174	0.0221	0.362	0.343	0.053
297	927	15.00	0.214	0.176	0.0226	0.371	0.354	0.053
297	928	15.10	0.216	0.179	0.0234	0.392	0.372	0.068
297	929	15.20	0.220	0.183	0.0243	0.417	0.396	0.097
297	930	15.30	0.226	0.190	0.0253	0.445	0.425	0.131
297	931	15.30	0.232	0.198	0.0260	0.465	0.442	0.146
297	932	15.40	0.242	0.210	0.0270	0.489	0.465	0.170
297	933	15.50	0.248	0.218	0.0284	0.532	0.507	0.233
297	934	15.60	0.256	0.229	0.0293	0.558	0.531	0.262
297	935	15.70	0.264	0.240	0.0309	0.612	0.584	0.345
297	936	15.90	0.273	0.251	0.0320	0.644	0.615	0.389
297	937	16.00	0.281	0.262	0.0327	0.654	0.622	0.398
297	938	16.10	0.285	0.268	0.0333	0.671	0.642	0.418
297	939	16.10	0.289	0.274	0.0343	0.695	0.662	0.457
297	940	16.30	0.295	0.284	0.0354	0.729	0.695	0.515
297	941	16.40	0.299	0.290	0.0362	0.747	0.712	0.544
297	942	16.40	0.303	0.296	0.0373	0.788	0.752	0.612
297	943	16.50	0.309	0.306	0.0388	0.839	0.801	0.705
297	944	16.80	0.317	0.319	0.0394	0.850	0.812	0.724
297	945	16.80	0.321	0.326	0.0403	0.871	0.830	0.768
297	946	17.00	0.325	0.333	0.0409	0.893	0.852	0.811
297	947	17.10	0.327	0.337	0.0411	0.893	0.852	0.816
297	948	17.10	0.327	0.337	0.0412	0.892	0.852	0.831
297	949	17.10	0.327	0.337	0.0394	0.803	0.765	0.685
297	950	17.20	0.323	0.330	0.0439	0.985	0.940	1.001
297	951	17.50	0.340	0.358	0.0442	0.988	0.945	1.016
297	952	17.60	0.344	0.366	0.0444	0.988	0.945	1.035
297	953	17.80	0.346	0.370	0.0445	0.985	0.942	1.045
297	954	17.90	0.344	0.366	0.0446	0.983	0.938	1.054
297	955	18.00	0.346	0.370	0.0446	0.973	0.929	1.059
297	956	18.10	0.344	0.366	0.0446	0.970	0.925	1.069
297	957	18.30	0.342	0.362	0.0439	0.955	0.912	1.059
297	958	18.30	0.342	0.362	0.0442	0.955	0.912	1.074
297	959	18.40	0.342	0.362	0.0439	0.947	0.903	1.079
297	1000	18.40	0.340	0.359	0.0438	0.938	0.894	1.074
297	1001	18.60	0.338	0.355	0.0431	0.929	0.887	1.069
297	1002	18.90	0.338	0.355	0.0428	0.923	0.883	1.074
297	1003	19.00	0.336	0.352	0.0422	0.910	0.869	1.059

RTI SUNLIGHT INTENSITY STUDY: USEPA CONTRACT NO. 68-02-2258 LUNAR DATE: 10-24-75 JULIAN DATE: 75297

JULIAN DATE	TIME (EST)	TEMP (°C)	NOB (PPM)	K1B (1/MIN)	UV (LANGLEYS/MIN)	TSR (LANGLEYS/MIN)	395 (LANGLEYS/MIN)	NIP (LANGLEYS/MIN)
297	1004	19.10	0.338	0.355	0.0423	0.905	0.865	1.054
297	1005	19.10	0.332	0.344	0.0413	0.881	0.838	1.025
297	1006	19.20	0.330	0.341	0.0401	0.839	0.801	0.967
297	1007	19.10	0.323	0.330	0.0398	0.836	0.796	0.977
297	1008	19.10	0.323	0.330	0.0383	0.770	0.735	0.875
297	1009	19.20	0.319	0.324	0.0395	0.827	0.788	0.972
297	1010	19.20	0.321	0.327	0.0390	0.800	0.761	0.928
297	1011	19.10	0.321	0.327	0.0386	0.792	0.754	0.928
297	1012	19.20	0.319	0.324	0.0372	0.723	0.686	0.816
297	1013	19.10	0.311	0.310	0.0378	0.731	0.695	0.826
297	1014	19.10	0.313	0.313	0.0398	0.800	0.761	0.943
297	1015	19.20	0.319	0.324	0.0412	0.845	0.805	1.011
297	1028	19.60	0.334	0.348	0.0435	0.889	0.845	1.103
297	1029	19.60	0.332	0.345	0.0433	0.886	0.845	1.098
297	1030	19.70	0.330	0.341	0.0434	0.887	0.845	1.093
297	1031	19.80	0.330	0.341	0.0434	0.887	0.845	1.084
297	1032	19.60	0.327	0.338	0.0433	0.886	0.843	1.079
297	1033	19.80	0.330	0.341	0.0434	0.893	0.850	1.074
297	1034	19.60	0.330	0.341	0.0414	0.803	0.761	0.933
297	1035	19.60	0.327	0.338	0.0387	0.677	0.639	0.743
297	1036	19.50	0.315	0.317	0.0436	0.914	0.869	1.079
297	1037	19.60	0.323	0.331	0.0436	0.907	0.861	1.059
297	1038	19.60	0.327	0.338	0.0420	0.827	0.783	0.948
297	1039	19.60	0.323	0.331	0.0428	0.868	0.825	1.006
297	1040	19.60	0.327	0.338	0.0436	0.892	0.847	1.040
297	1041	19.80	0.327	0.338	0.0444	0.919	0.872	1.084
297	1042	19.90	0.332	0.345	0.0440	0.907	0.861	1.069
297	1043	20.00	0.330	0.341	0.0442	0.904	0.858	1.064
297	1044	20.00	0.330	0.341	0.0445	0.905	0.858	1.074
297	1045	20.10	0.330	0.341	0.0443	0.899	0.854	1.069
297	1046	20.00	0.327	0.338	0.0443	0.898	0.852	1.064
297	1047	19.90	0.330	0.341	0.0446	0.904	0.856	1.079
297	1048	19.90	0.332	0.345	0.0447	0.905	0.856	1.084
297	1049	19.90	0.332	0.345	0.0449	0.907	0.858	1.084
297	1050	20.00	0.332	0.345	0.0450	0.908	0.861	1.084
297	1051	20.30	0.332	0.345	0.0448	0.904	0.854	1.074
297	1052	20.40	0.330	0.341	0.0449	0.905	0.856	1.069
297	1053	20.20	0.330	0.341	0.0450	0.907	0.856	1.074
297	1054	20.20	0.330	0.341	0.0455	0.917	0.865	1.093
297	1055	20.40	0.334	0.349	0.0455	0.917	0.867	1.093
297	1056	20.50	0.332	0.345	0.0457	0.919	0.867	1.088
297	1057	20.40	0.330	0.341	0.0457	0.920	0.869	1.093
297	1058	20.30	0.330	0.341	0.0459	0.922	0.869	1.093
297	1059	20.50	0.330	0.341	0.0459	0.922	0.869	1.088
297	1100	20.60	0.330	0.342	0.0460	0.923	0.869	1.088
297	1101	20.70	0.332	0.345	0.0462	0.926	0.874	1.088
297	1102	20.60	0.332	0.345	0.0458	0.920	0.867	1.069
297	1103	20.80	0.332	0.345	0.0461	0.926	0.872	1.079
297	1104	20.90	0.323	0.331	0.0458	0.922	0.867	1.064
297	1105	20.90	0.332	0.345	0.0463	0.929	0.874	1.069
297	1106	20.80	0.330	0.342	0.0461	0.928	0.872	1.069
297	1107	20.80	0.330	0.342	0.0462	0.926	0.872	1.069

RTI SUNLIGHT INTENSITY STUDY: USEPA CONTRACT NO. 68-02-2258 LUNAR DATE: 10-24-75 JULIAN DATE: 75297

JULIAN DATE	TIME (EST)	TEMP (°C)	NOB (PPM)	K1B (1/MIN)	UV (LANGLEYS/MIN)	TSR (LANGLEYS/MIN)	395 (LANGLEYS/MIN)	VIP (LANGLEYS/MIN)
297	1108	20.80	0.332	0.345	0.0466	0.934	0.878	1.084
297	1109	20.60	0.332	0.345	0.0466	0.934	0.878	1.084
297	1110	20.70	0.332	0.345	0.0469	0.940	0.883	1.088
297	1111	20.80	0.334	0.349	0.0470	0.940	0.883	1.088
297	1112	21.00	0.332	0.345	0.0468	0.935	0.878	1.069
297	1113	21.00	0.332	0.345	0.0469	0.937	0.881	1.064
297	1114	21.10	0.332	0.345	0.0473	0.944	0.887	1.079
297	1115	21.00	0.334	0.349	0.0468	0.935	0.878	1.064
297	1116	21.10	0.336	0.353	0.0474	0.947	0.887	1.079
297	1117	21.10	0.336	0.352	0.0469	0.938	0.881	1.069
297	1118	21.00	0.336	0.352	0.0471	0.937	0.878	1.059
297	1119	21.00	0.334	0.349	0.0474	0.946	0.887	1.064
297	1120	21.00	0.332	0.345	0.0469	0.932	0.874	1.040
297	1121	21.10	0.334	0.349	0.0476	0.947	0.889	1.050
297	1122	21.20	0.334	0.349	0.0466	0.931	0.872	1.006
297	1123	21.20	0.334	0.349	0.0466	0.926	0.867	0.986
297	1124	21.10	0.332	0.345	0.0471	0.941	0.883	1.011
297	1125	21.10	0.332	0.345	0.0469	0.922	0.863	0.982
297	1126	21.30	0.332	0.345	0.0475	0.949	0.889	0.996
297	1127	21.30	0.332	0.345	0.0477	0.962	0.903	1.011
297	1128	21.60	0.334	0.349	0.0472	0.938	0.881	0.986
297	1129	21.70	0.334	0.349	0.0465	0.928	0.867	0.943
297	1130	21.50	0.334	0.349	0.0472	0.961	0.900	0.967
297	1131	21.40	0.330	0.342	0.0465	0.914	0.856	0.899
297	1132	21.30	0.327	0.338	0.0479	0.958	0.896	1.006
297	1133	21.20	0.332	0.345	0.0479	0.956	0.896	1.016
297	1134	21.10	0.332	0.345	0.0485	0.968	0.907	1.040
297	1135	21.20	0.334	0.349	0.0484	0.965	0.903	1.030
297	1136	21.40	0.338	0.356	0.0480	0.955	0.894	1.020
297	1137	21.40	0.338	0.356	0.0486	0.970	0.907	1.050
297	1138	21.50	0.338	0.356	0.0490	0.976	0.914	1.054
297	1139	21.50	0.338	0.356	0.0488	0.974	0.912	1.045
297	1140	21.70	0.336	0.353	0.0492	0.982	0.918	1.059
297	1141	21.80	0.338	0.356	0.0488	0.976	0.914	1.045
297	1142	21.80	0.338	0.356	0.0483	0.961	0.900	1.016
297	1143	21.70	0.336	0.353	0.0490	0.973	0.912	1.030
297	1144	21.80	0.338	0.356	0.0491	0.980	0.918	1.035
297	1145	21.60	0.336	0.353	0.0492	0.985	0.920	1.040
297	1146	21.70	0.338	0.356	0.0496	0.988	0.925	1.050
297	1147	21.50	0.340	0.360	0.0490	0.974	0.912	1.040
297	1148	21.60	0.338	0.356	0.0498	0.986	0.923	1.064
297	1149	21.70	0.340	0.360	0.0495	0.983	0.918	1.054
297	1150	21.70	0.340	0.360	0.0489	0.970	0.905	1.030
297	1151	21.80	0.340	0.360	0.0488	0.971	0.907	1.025
297	1152	21.80	0.338	0.356	0.0488	0.964	0.900	1.020
297	1153	21.80	0.336	0.353	0.0491	0.974	0.912	1.025
297	1154	21.60	0.336	0.353	0.0490	0.973	0.909	1.011
297	1155	21.80	0.338	0.356	0.0490	0.979	0.914	1.011
297	1156	21.60	0.340	0.360	0.0490	0.971	0.907	1.006
297	1157	21.60	0.338	0.356	0.0499	1.000	0.936	1.020
297	1158	21.50	0.342	0.364	0.0497	1.024	0.958	0.972
297	1159	21.50	0.340	0.360	0.0452	0.835	0.781	0.588

RTI SUNLIGHT INTENSITY STUDY: USEPA CONTRACT NO. 68-02-2258 LUNAR DATE: 10-24-75 JULIAN DATE: 75297

JULIAN DATE	TIME (EST)	TEMP (°C)	NOB (PPM)	K1B (1/MIN)	UV (LANGLEYS/MIN)	TSR (LANGLEYS/MIN)	395 (LANGLEYS/MIN)	NIP (LANGLEYS/MIN)
297	1200	21.50	0.336	0.353	0.0407	0.666	0.613	0.389
297	1201	21.40	0.305	0.301	0.0471	0.914	0.852	0.836
297	1202	21.60	0.311	0.311	0.0499	1.006	0.938	0.996
297	1203	21.80	0.334	0.349	0.0496	0.998	0.931	0.972
297	1204	21.80	0.340	0.360	0.0500	1.017	0.949	0.986
297	1205	21.80	0.340	0.360	0.0498	1.014	0.947	0.962
297	1206	21.80	0.340	0.360	0.0498	1.026	0.960	0.894
297	1207	21.90	0.342	0.364	0.0515	1.095	1.027	0.933
297	1208	21.90	0.338	0.356	0.0514	1.141	1.071	0.948
297	1209	21.90	0.344	0.368	0.0512	1.146	1.073	0.797
297	1210	21.90	0.342	0.364	0.0507	1.143	1.073	0.879
297	1211	22.00	0.344	0.368	0.0508	1.114	1.044	0.918
297	1212	22.00	0.340	0.360	0.0499	1.033	0.965	0.826
297	1213	22.00	0.340	0.360	0.0506	1.053	0.982	0.933
297	1214	21.90	0.338	0.356	0.0512	1.053	0.985	0.962
297	1215	22.00	0.342	0.364	0.0518	1.075	1.007	0.952
297	1216	22.00	0.344	0.368	0.0490	0.961	0.898	0.739
297	1217	21.90	0.344	0.368	0.0522	1.129	1.060	0.899
297	1218	21.80	0.342	0.364	0.0482	1.002	0.938	0.700
297	1219	21.90	0.342	0.364	0.0459	0.875	0.819	0.510
297	1220	21.80	0.330	0.342	0.0450	0.898	0.836	0.622
297	1221	21.60	0.325	0.335	0.0439	0.850	0.794	0.603
297	1222	21.60	0.321	0.328	0.0409	0.732	0.679	0.476
297	1223	21.50	0.319	0.325	0.0419	0.768	0.715	0.569
297	1224	21.40	0.315	0.318	0.0439	0.839	0.781	0.651
297	1225	21.40	0.315	0.318	0.0471	0.940	0.876	0.807
297	1226	21.40	0.323	0.331	0.0482	0.956	0.889	0.841
297	1227	21.50	0.334	0.349	0.0480	0.950	0.883	0.797
297	1228	21.50	0.338	0.356	0.0489	0.976	0.907	0.831
297	1229	21.50	0.338	0.356	0.0501	1.029	0.956	0.928
297	1230	21.40	0.346	0.371	0.0488	0.964	0.896	0.826
297	1231	21.40	0.350	0.379	0.0488	0.955	0.887	0.802
297	1232	21.40	0.346	0.371	0.0472	0.916	0.852	0.719
297	1233	21.30	0.338	0.356	0.0480	0.977	0.912	0.719
297	1234	21.30	0.336	0.353	0.0474	0.973	0.907	0.632
297	1235	21.30	0.332	0.345	0.0377	0.588	0.544	0.063
297	1236	21.30	0.330	0.342	0.0345	0.526	0.487	0.024
297	1237	21.20	0.303	0.298	0.0340	0.544	0.504	0.019
297	1238	21.10	0.285	0.270	0.0309	0.478	0.445	0.019
297	1239	21.00	0.273	0.253	0.0312	0.502	0.467	0.019
297	1240	20.80	0.264	0.241	0.0292	0.456	0.425	0.019
297	1241	20.70	0.260	0.236	0.0287	0.448	0.416	0.019
297	1242	20.60	0.254	0.228	0.0282	0.450	0.418	0.019
297	1243	20.60	0.248	0.220	0.0251	0.380	0.352	0.015
297	1244	20.50	0.246	0.217	0.0221	0.320	0.296	0.015
297	1245	20.40	0.232	0.200	0.0202	0.289	0.268	0.015
297	1246	20.30	0.216	0.180	0.0195	0.274	0.254	0.015
297	1247	20.30	0.205	0.169	0.0192	0.271	0.243	0.015
297	1248	20.20	0.199	0.162	0.0187	0.263	0.243	0.015
297	1249	20.00	0.195	0.158	0.0197	0.274	0.254	0.015
297	1250	20.00	0.195	0.158	0.0219	0.308	0.285	0.015
297	1251	19.90	0.201	0.164	0.0241	0.341	0.316	0.015

RTI SUNLIGHT INTENSITY STUDY: USEPA CONTRACT NO. 68-02-2258 LUNAR DATE: 10-24-75 JULIAN DATE: 75297

JULIAN DATE	TIME (EST)	TEMP (°C)	NOB (PPM)	K1B (1/MIN)	UV (LANGLEYS/MIN)	TSR (LANGLEYS/MIN)	395 (LANGLEYS/MIN)	NIP (LANGLEYS/MIN)
297	1252	19.90	0.210	0.173	0.0258	0.359	0.334	0.019
297	1253	19.90	0.220	0.185	0.0308	0.463	0.431	0.019
297	1254	19.90	0.232	0.199	0.0396	0.716	0.666	0.131
297	1255	20.00	0.258	0.233	0.0486	1.056	0.987	0.500
297	1256	20.40	0.295	0.285	0.0502	1.123	1.049	0.564
297	1257	20.50	0.332	0.345	0.0503	1.107	1.035	0.544
297	1258	20.80	0.344	0.367	0.0477	0.986	0.923	0.379
297	1259	20.80	0.346	0.371	0.0545	1.280	1.206	0.797
297	1300	20.90	0.342	0.363	0.0477	1.012	0.949	0.301
297	1301	20.80	0.346	0.371	0.0456	0.988	0.929	0.238
297	1302	20.90	0.332	0.345	0.0364	0.681	0.639	0.058
297	1303	20.60	0.311	0.311	0.0327	0.564	0.529	0.024
297	1304	20.50	0.281	0.264	0.0297	0.487	0.456	0.019
297	1305	20.40	0.264	0.241	0.0291	0.493	0.462	0.015
297	1306	20.30	0.248	0.220	0.0230	0.371	0.347	0.015
297	1307	20.10	0.240	0.209	0.0186	0.269	0.252	0.015
297	1308	20.00	0.216	0.180	0.0200	0.289	0.270	0.010
297	1309	19.80	0.193	0.155	0.0200	0.295	0.274	0.010
297	1310	19.60	0.189	0.151	0.0181	0.257	0.239	0.010
297	1311	19.40	0.189	0.151	0.0162	0.224	0.208	0.010
297	1312	19.40	0.183	0.145	0.0145	0.195	0.181	0.010
297	1313	19.30	0.173	0.134	0.0128	0.173	0.162	0.010
297	1314	19.10	0.163	0.124	0.0126	0.168	0.157	0.010
297	1315	19.10	0.153	0.115	0.0138	0.186	0.173	0.015
297	1316	19.10	0.146	0.109	0.0147	0.206	0.192	0.015
297	1317	19.10	0.148	0.111	0.0143	0.209	0.195	0.015
297	1404	18.80	0.161	0.122	0.0156	0.257	0.243	0.019
297	1405	18.80	0.161	0.122	0.0154	0.250	0.237	0.015
297	1406	18.80	0.159	0.120	0.0167	0.269	0.257	0.019
297	1407	18.80	0.161	0.122	0.0177	0.310	0.294	0.015
297	1408	18.90	0.165	0.126	0.0154	0.251	0.239	0.019
297	1409	18.90	0.159	0.120	0.0154	0.254	0.241	0.019
297	1410	18.80	0.157	0.118	0.0158	0.241	0.228	0.019
297	1411	18.90	0.157	0.118	0.0186	0.317	0.301	0.019
297	1412	18.90	0.165	0.126	0.0163	0.275	0.261	0.019
297	1413	18.90	0.165	0.126	0.0159	0.260	0.248	0.024
297	1414	19.00	0.159	0.120	0.0146	0.241	0.228	0.019
297	1415	19.10	0.153	0.115	0.0145	0.236	0.226	0.019
297	1416	19.10	0.148	0.111	0.0140	0.226	0.215	0.019
297	1417	19.10	0.146	0.109	0.0146	0.239	0.228	0.019
297	1418	19.00	0.146	0.109	0.0140	0.232	0.221	0.019
297	1419	19.00	0.146	0.109	0.0157	0.253	0.239	0.019
297	1420	19.10	0.151	0.113	0.0148	0.250	0.237	0.015
297	1421	19.10	0.153	0.115	0.0149	0.229	0.217	0.019
297	1422	19.00	0.151	0.113	0.0168	0.283	0.270	0.015
297	1423	19.10	0.157	0.118	0.0167	0.283	0.268	0.019
297	1424	19.20	0.161	0.122	0.0154	0.251	0.239	0.015
297	1425	19.10	0.159	0.120	0.0146	0.224	0.212	0.015
297	1426	19.10	0.153	0.115	0.0166	0.260	0.248	0.015
297	1427	19.10	0.157	0.118	0.0148	0.238	0.226	0.019
297	1428	19.10	0.153	0.115	0.0145	0.227	0.217	0.015
297	1429	19.10	0.148	0.111	0.0145	0.238	0.226	0.019

RTI SUNLIGHT INTENSITY STUDY: USEPA CONTRACT NO. 68-02-2258 LUNAR DATE: 10-24-75 JULIAN DATE: 75297

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297	1430	19.20	0.146	0.109	0.0140	0.217	0.208	0.019
297	1431	19.20	0.142	0.105	0.0143	0.226	0.215	0.019
297	1432	19.20	0.140	0.103	0.0145	0.235	0.223	0.019
297	1433	19.30	0.142	0.105	0.0133	0.214	0.204	0.019
297	1434	19.30	0.140	0.103	0.0137	0.209	0.199	0.015
297	1435	19.30	0.138	0.102	0.0132	0.211	0.201	0.019
297	1436	19.30	0.138	0.102	0.0133	0.200	0.190	0.015
297	1437	19.30	0.134	0.098	0.0137	0.224	0.212	0.019
297	1438	19.30	0.136	0.100	0.0124	0.195	0.188	0.019
297	1439	19.30	0.132	0.096	0.0129	0.194	0.186	0.019
297	1440	19.30	0.132	0.096	0.0129	0.200	0.190	0.015
297	1441	19.30	0.132	0.096	0.0128	0.194	0.186	0.015
297	1442	19.40	0.132	0.096	0.0135	0.215	0.204	0.019
297	1443	19.30	0.134	0.098	0.0126	0.191	0.181	0.019
297	1444	19.40	0.134	0.098	0.0132	0.211	0.201	0.019
297	1445	19.40	0.132	0.096	0.0121	0.198	0.190	0.019
297	1446	19.30	0.128	0.093	0.0107	0.179	0.173	0.015
297	1447	19.30	0.124	0.089	0.0097	0.150	0.144	0.019
297	1448	19.30	0.116	0.082	0.0105	0.155	0.148	0.015
297	1449	19.30	0.114	0.080	0.0119	0.176	0.166	0.015
297	1450	19.30	0.118	0.084	0.0131	0.214	0.204	0.019
297	1451	19.30	0.126	0.091	0.0123	0.208	0.197	0.015
297	1452	19.30	0.130	0.094	0.0113	0.183	0.175	0.019
297	1453	19.30	0.126	0.091	0.0128	0.198	0.188	0.019
297	1454	19.30	0.128	0.093	0.0132	0.203	0.192	0.019
297	1455	19.40	0.132	0.096	0.0140	0.221	0.210	0.019
297	1456	19.40	0.136	0.100	0.0139	0.239	0.228	0.019
297	1457	19.40	0.138	0.102	0.0125	0.221	0.212	0.019
297	1458	19.40	0.136	0.100	0.0112	0.188	0.179	0.019
297	1459	19.40	0.128	0.093	0.0104	0.173	0.166	0.015
297	1500	19.30	0.122	0.087	0.0108	0.168	0.162	0.019
297	1501	19.30	0.116	0.082	0.0115	0.191	0.181	0.015
297	1502	19.40	0.120	0.086	0.0104	0.164	0.157	0.015
297	1503	19.30	0.118	0.084	0.0105	0.170	0.164	0.019
297	1504	19.30	0.116	0.082	0.0103	0.168	0.159	0.019
297	1505	19.30	0.116	0.082	0.0110	0.176	0.168	0.015
297	1506	19.30	0.116	0.082	0.0109	0.191	0.181	0.015
297	1507	19.30	0.118	0.084	0.0099	0.167	0.162	0.015
297	1508	19.30	0.116	0.082	0.0102	0.168	0.162	0.019
297	1509	19.30	0.112	0.079	0.0101	0.170	0.164	0.015
297	1510	19.30	0.114	0.080	0.0103	0.171	0.164	0.015
297	1511	19.30	0.110	0.077	0.0097	0.156	0.150	0.019
297	1512	19.20	0.110	0.077	0.0102	0.162	0.157	0.015
297	1513	19.10	0.110	0.077	0.0113	0.177	0.168	0.019
297	1514	19.10	0.114	0.080	0.0129	0.223	0.215	0.015
297	1515	19.10	0.124	0.089	0.0122	0.208	0.199	0.015
297	1516	19.20	0.128	0.093	0.0117	0.183	0.175	0.019
297	1517	19.30	0.128	0.093	0.0122	0.197	0.188	0.019
297	1518	19.30	0.128	0.093	0.0121	0.205	0.195	0.019
297	1519	19.40	0.130	0.094	0.0112	0.180	0.173	0.019
297	1520	19.40	0.126	0.091	0.0105	0.165	0.159	0.015
297	1521	19.40	0.120	0.086	0.0106	0.174	0.168	0.019

RTI SUNLIGHT INTENSITY STUDY: USEPA CONTRACT NO. 68-02-2258 LUNAR DATE: 10-24-75 JULIAN DATE: 75297

JULIAN DATE	TIME (EST)	TEMP (°C)	NOB (PPM)	K1B (1/MIN)	UV (LANGLEYS/MIN)	TSR (LANGLEYS/MIN)	395 (LANGLEYS/MIN)	NIP (LANGLEYS/MIN)
297	1522	19.40	0.116	0.082	0.0099	0.162	0.155	0.019
297	1523	19.40	0.114	0.080	0.0099	0.156	0.150	0.019
297	1524	19.40	0.112	0.079	0.0107	0.168	0.162	0.019
297	1525	19.40	0.112	0.079	0.0099	0.162	0.157	0.015
297	1526	19.40	0.114	0.080	0.0100	0.158	0.153	0.015
297	1527	19.40	0.112	0.079	0.0097	0.170	0.166	0.015
297	1528	19.40	0.112	0.079	0.0083	0.143	0.137	0.019
297	1529	19.40	0.106	0.074	0.0078	0.131	0.128	0.019
297	1530	19.40	0.100	0.069	0.0082	0.137	0.133	0.015
297	1531	19.40	0.098	0.067	0.0085	0.146	0.142	0.015
297	1532	19.40	0.100	0.069	0.0086	0.152	0.146	0.019
297	1533	19.50	0.100	0.069	0.0083	0.143	0.137	0.019
297	1534	19.50	0.102	0.070	0.0084	0.141	0.137	0.015
297	1535	19.50	0.100	0.069	0.0092	0.158	0.153	0.019
297	1536	19.40	0.102	0.070	0.0091	0.162	0.157	0.019
297	1537	19.50	0.104	0.072	0.0089	0.162	0.159	0.015
297	1538	19.50	0.104	0.072	0.0088	0.150	0.144	0.015
297	1539	19.50	0.104	0.072	0.0095	0.174	0.168	0.015
297	1540	19.50	0.104	0.072	0.0091	0.158	0.153	0.019
297	1541	19.50	0.106	0.074	0.0098	0.168	0.162	0.019
297	1542	19.50	0.106	0.074	0.0095	0.176	0.170	0.019
297	1543	19.50	0.110	0.077	0.0083	0.150	0.146	0.015
297	1544	19.50	0.106	0.074	0.0091	0.143	0.139	0.019
297	1545	19.60	0.102	0.070	0.0099	0.180	0.175	0.010
297	1546	19.50	0.108	0.075	0.0097	0.185	0.177	0.019
297	1547	19.50	0.110	0.077	0.0088	0.162	0.157	0.019

RTI SUNLIGHT INTENSITY STUDY: USEPA CONTRACT NO. 68-02-2258 LUNAR DATE: 10-27-75 JULIAN DATE: 75300

JULIAN DATE	TIME (EST)	TEMP (°C)	NOB (PPM)	K1B (1/MIN)	UV (LANGLEYS/MIN)	TSR (LANGLEYS/MIN)	395 (LANGLEYS/MIN)	NIP (LANGLEYS/MIN)
300	1200	19.40	0.310	0.353	0.0455	0.833	0.770	0.860
300	1201	19.20	0.301	0.335	0.0474	0.955	0.885	1.064
300	1202	19.30	0.312	0.357	0.0477	0.965	0.898	1.093
300	1203	19.30	0.314	0.361	0.0475	0.958	0.889	1.088
300	1204	19.30	0.314	0.361	0.0477	0.956	0.887	1.098
300	1205	19.40	0.316	0.365	0.0476	0.953	0.885	1.098
300	1206	19.30	0.316	0.365	0.0475	0.952	0.885	1.098
300	1207	19.00	0.316	0.365	0.0474	0.950	0.883	1.088
300	1208	19.00	0.314	0.361	0.0472	0.944	0.876	1.093
300	1209	19.00	0.312	0.357	0.0471	0.941	0.874	1.088
300	1210	18.90	0.312	0.357	0.0470	0.941	0.872	1.088
300	1211	19.00	0.312	0.357	0.0469	0.940	0.872	1.084
300	1212	19.00	0.312	0.357	0.0470	0.944	0.874	1.088
300	1213	19.20	0.312	0.357	0.0469	0.943	0.872	1.084
300	1214	19.20	0.314	0.361	0.0469	0.943	0.872	1.088
300	1215	19.10	0.312	0.357	0.0471	0.946	0.876	1.093
300	1216	19.30	0.312	0.357	0.0471	0.947	0.878	1.093
300	1217	19.60	0.312	0.357	0.0469	0.947	0.878	1.088
300	1218	19.80	0.314	0.361	0.0468	0.949	0.881	1.084
300	1219	19.70	0.314	0.361	0.0469	0.953	0.885	1.088
300	1220	19.80	0.312	0.357	0.0470	0.959	0.889	1.088
300	1221	19.80	0.314	0.361	0.0472	0.976	0.907	1.079
300	1222	19.60	0.312	0.357	0.0475	1.000	0.929	1.074
300	1223	19.70	0.314	0.361	0.0479	1.024	0.951	1.059
300	1224	19.60	0.316	0.365	0.0474	1.006	0.936	0.972
300	1225	19.80	0.314	0.361	0.0448	0.892	0.827	0.705
300	1226	20.00	0.312	0.357	0.0486	1.096	1.022	1.045
300	1227	20.10	0.314	0.361	0.0429	0.808	0.759	0.821
300	1228	20.00	0.291	0.317	0.0376	0.653	0.608	0.447
300	1229	20.00	0.308	0.349	0.0364	0.555	0.515	0.321
300	1230	20.10	0.273	0.287	0.0364	0.559	0.511	0.175
300	1231	20.00	0.281	0.300	0.0331	0.444	0.405	0.063
300	1232	19.90	0.271	0.283	0.0439	0.911	0.845	0.782
300	1233	19.60	0.268	0.277	0.0317	0.414	0.376	0.034
300	1234	19.60	0.266	0.274	0.0333	0.465	0.425	0.078
300	1235	19.90	0.260	0.264	0.0330	0.457	0.418	0.078
300	1236	19.90	0.275	0.290	0.0401	0.713	0.657	0.447
300	1237	19.70	0.270	0.280	0.0316	0.403	0.367	0.034
300	1238	19.50	0.275	0.290	0.0316	0.405	0.369	0.039
300	1239	19.50	0.258	0.261	0.0447	0.988	0.918	0.952
300	1240	19.50	0.260	0.264	0.0440	0.946	0.876	0.850
300	1241	19.50	0.291	0.317	0.0352	0.523	0.478	0.214
300	1242	19.50	0.302	0.338	0.0455	0.946	0.872	0.914
300	1243	19.80	0.285	0.306	0.0387	0.659	0.604	0.510
300	1244	19.90	0.298	0.331	0.0374	0.627	0.577	0.491
300	1245	20.00	0.287	0.310	0.0458	0.989	0.916	1.030
300	1246	19.80	0.293	0.320	0.0447	0.971	0.898	0.986
300	1247	19.80	0.295	0.324	0.0458	0.994	0.920	1.064
300	1248	20.00	0.302	0.338	0.0453	0.964	0.892	1.030
300	1249	19.90	0.314	0.361	0.0456	0.973	0.903	1.069
300	1250	20.00	0.312	0.357	0.0453	0.958	0.887	1.059
300	1251	20.00	0.314	0.361	0.0452	0.952	0.881	1.059

RTI SUNLIGHT INTENSITY STUDY: USEPA CONTRACT NO. 68-02-2258 LUNAR DATE: 10-27-75 JULIAN DATE: 75300

JULIAN DATE	TIME (EST)	TEMP (°C)	NOB (PPM)	K1B (1/MIN)	UV (LANGLEYS/MIN)	TSR (LANGLEYS/MIN)	395 (LANGLEYS/MIN)	NIP (LANGLEYS/MIN)
300	1252	19.90	0.312	0.357	0.0452	0.946	0.874	1.074
300	1253	19.90	0.312	0.357	0.0449	0.934	0.863	1.079
300	1254	20.00	0.310	0.353	0.0448	0.928	0.858	1.079
300	1255	20.00	0.310	0.353	0.0445	0.923	0.850	1.079
300	1256	20.20	0.310	0.353	0.0443	0.916	0.843	1.074
300	1257	20.20	0.310	0.353	0.0440	0.908	0.836	1.064
300	1258	20.30	0.308	0.349	0.0436	0.899	0.827	1.059
300	1259	20.40	0.306	0.346	0.0436	0.898	0.825	1.064
300	1300	20.50	0.306	0.346	0.0429	0.877	0.805	1.045
300	1301	20.30	0.306	0.345	0.0434	0.893	0.821	1.069
300	1302	20.40	0.306	0.346	0.0432	0.889	0.816	1.069
300	1303	20.50	0.308	0.349	0.0429	0.880	0.808	1.059
300	1304	20.50	0.304	0.342	0.0431	0.884	0.812	1.069
300	1305	20.50	0.306	0.346	0.0431	0.884	0.812	1.059
300	1306	20.60	0.308	0.349	0.0429	0.883	0.810	1.074
300	1307	20.90	0.306	0.346	0.0429	0.881	0.808	1.069
300	1308	21.00	0.310	0.353	0.0425	0.872	0.801	1.059
300	1309	21.20	0.308	0.350	0.0425	0.872	0.799	1.059
300	1310	21.20	0.304	0.342	0.0425	0.872	0.801	1.064
300	1311	21.00	0.304	0.342	0.0425	0.874	0.803	1.069
300	1312	21.00	0.304	0.342	0.0426	0.874	0.801	1.079
300	1313	20.90	0.308	0.349	0.0425	0.874	0.801	1.079
300	1314	20.90	0.308	0.349	0.0424	0.872	0.801	1.079
300	1315	21.20	0.308	0.349	0.0423	0.869	0.799	1.074
300	1316	21.10	0.308	0.349	0.0420	0.866	0.796	1.074
300	1317	21.10	0.306	0.346	0.0419	0.862	0.792	1.064
300	1318	21.10	0.304	0.342	0.0418	0.860	0.792	1.064
300	1319	21.00	0.306	0.346	0.0416	0.856	0.788	1.059
300	1320	20.90	0.306	0.346	0.0415	0.854	0.788	1.059
300	1321	20.80	0.306	0.345	0.0414	0.851	0.785	1.069
300	1322	20.90	0.306	0.346	0.0412	0.848	0.783	1.064
300	1323	20.90	0.302	0.338	0.0409	0.844	0.777	1.054
300	1324	20.90	0.304	0.342	0.0407	0.842	0.777	1.054
300	1325	20.80	0.302	0.338	0.0406	0.839	0.774	1.054
300	1326	20.80	0.304	0.342	0.0404	0.838	0.772	1.054
300	1327	21.00	0.302	0.338	0.0401	0.832	0.768	1.050
300	1328	21.40	0.300	0.335	0.0398	0.826	0.761	1.040
300	1329	21.30	0.298	0.331	0.0395	0.818	0.754	1.030
300	1330	21.10	0.298	0.331	0.0395	0.820	0.757	1.040
300	1331	21.00	0.298	0.331	0.0395	0.821	0.757	1.040
300	1331	21.00	0.298	0.331	0.0395	0.821	0.757	1.040
300	1333	21.00	0.300	0.334	0.0394	0.823	0.757	1.045
300	1334	20.80	0.298	0.331	0.0393	0.820	0.752	1.045
300	1335	20.80	0.298	0.331	0.0393	0.821	0.754	1.054
300	1336	20.80	0.298	0.331	0.0391	0.818	0.752	1.054
300	1337	21.00	0.300	0.334	0.0390	0.817	0.752	1.059
300	1338	21.10	0.300	0.334	0.0389	0.814	0.750	1.059
300	1339	21.50	0.300	0.335	0.0388	0.812	0.748	1.059
300	1340	21.80	0.298	0.331	0.0387	0.812	0.748	1.054
300	1341	21.90	0.298	0.331	0.0387	0.809	0.746	1.054
300	1342	21.80	0.298	0.331	0.0387	0.809	0.746	1.059
300	1343	21.90	0.300	0.335	0.0385	0.805	0.741	1.050

RTI SUNLIGHT INTENSITY STUDY: USEPA CONTRACT NO. 68-02-2258 LUNAR DATE: 10-27-75 JULIAN DATE: 75300

JULIAN DATE	TIME (EST)	TEMP (°C)	NOB (PPM)	K18 (1/MIN)	UV (LANGLEYS/MIN)	TSR (LANGLEYS/MIN)	395 (LANGLEYS/MIN)	NIP (LANGLEYS/MIN)
300	1344	22.00	0.300	0.335	0.0384	0.802	0.739	1.050
300	1345	21.90	0.300	0.335	0.0382	0.797	0.735	1.050
300	1346	21.80	0.302	0.338	0.0380	0.794	0.735	1.050
300	1347	21.40	0.302	0.338	0.0379	0.792	0.732	1.059
300	1348	21.50	0.300	0.334	0.0379	0.794	0.735	1.064
300	1349	21.60	0.298	0.331	0.0378	0.792	0.732	1.059
300	1350	21.80	0.300	0.335	0.0376	0.788	0.730	1.059
300	1351	21.90	0.298	0.331	0.0374	0.786	0.728	1.054
300	1352	22.00	0.296	0.327	0.0374	0.786	0.726	1.059
300	1353	21.90	0.298	0.331	0.0372	0.782	0.721	1.054
300	1354	21.70	0.298	0.331	0.0371	0.779	0.721	1.054
300	1355	21.80	0.296	0.327	0.0368	0.774	0.715	1.050
300	1356	22.00	0.296	0.327	0.0367	0.773	0.715	1.050
300	1357	22.20	0.294	0.324	0.0366	0.773	0.715	1.054
300	1358	22.00	0.296	0.327	0.0363	0.768	0.710	1.050
300	1359	22.00	0.296	0.327	0.0360	0.764	0.706	1.045
300	1400	22.00	0.294	0.324	0.0360	0.762	0.706	1.045
300	1401	22.00	0.292	0.320	0.0359	0.759	0.701	1.045
300	1402	21.80	0.292	0.320	0.0357	0.755	0.699	1.045
300	1403	21.60	0.292	0.320	0.0355	0.753	0.697	1.050
300	1404	21.80	0.294	0.324	0.0352	0.749	0.692	1.040
300	1405	22.10	0.292	0.320	0.0351	0.744	0.690	1.035
300	1406	22.10	0.294	0.324	0.0350	0.743	0.688	1.035
300	1407	22.30	0.290	0.317	0.0347	0.738	0.681	1.030
300	1408	22.30	0.288	0.313	0.0346	0.735	0.681	1.035
300	1409	22.10	0.288	0.313	0.0344	0.732	0.679	1.035
300	1410	22.00	0.288	0.313	0.0343	0.729	0.677	1.035
300	1411	21.80	0.288	0.313	0.0341	0.726	0.673	1.035
300	1412	21.90	0.290	0.317	0.0338	0.722	0.670	1.030
300	1413	21.80	0.288	0.313	0.0337	0.720	0.668	1.035
300	1414	21.90	0.286	0.310	0.0334	0.714	0.662	1.025
300	1415	22.00	0.286	0.310	0.0333	0.711	0.659	1.025
300	1416	22.00	0.286	0.310	0.0328	0.704	0.653	1.016
300	1417	22.00	0.284	0.306	0.0322	0.701	0.650	1.016
300	1418	21.90	0.282	0.303	0.0326	0.701	0.650	1.025
300	1419	21.90	0.281	0.299	0.0323	0.693	0.644	1.016
300	1420	22.00	0.282	0.303	0.0321	0.690	0.639	1.011
300	1421	22.10	0.281	0.300	0.0319	0.687	0.637	1.006
300	1422	22.30	0.279	0.296	0.0319	0.687	0.635	1.011
300	1423	22.40	0.279	0.296	0.0316	0.683	0.633	1.006
300	1424	22.40	0.279	0.296	0.0315	0.681	0.628	1.006
300	1425	22.30	0.279	0.296	0.0315	0.681	0.628	1.016
300	1426	22.30	0.277	0.293	0.0314	0.678	0.628	1.016
300	1427	22.10	0.279	0.296	0.0311	0.674	0.622	1.016
300	1428	22.00	0.280	0.299	0.0309	0.671	0.622	1.016
300	1429	21.90	0.280	0.299	0.0307	0.666	0.617	1.006
300	1430	21.80	0.279	0.296	0.0306	0.663	0.615	1.011
300	1431	22.00	0.275	0.290	0.0303	0.660	0.613	1.006
300	1432	22.10	0.273	0.286	0.0300	0.654	0.606	1.001
300	1433	22.10	0.273	0.286	0.0299	0.651	0.604	1.006
300	1434	22.00	0.273	0.286	0.0297	0.647	0.600	0.996
300	1435	22.00	0.273	0.286	0.0295	0.644	0.597	0.996

RTI SUNLIGHT INTENSITY STUDY: USEPA CONTRACT NO. 68-02-2258 LUNAR DATE: 10-27-75 JULIAN DATE: 75300

JULIAN DATE	TIME (EST)	TEMP (°C)	NOB (PPM)	KIB (1/MIN)	UV (LANGLEYS/MIN)	TSR (LANGLEYS/MIN)	395 (LANGLEYS/MIN)	NIP (LANGLEYS/MIN)
300	1436	22.00	0.271	0.283	0.0292	0.639	0.593	0.986
300	1437	22.10	0.267	0.277	0.0289	0.636	0.588	0.982
300	1438	22.30	0.267	0.277	0.0289	0.636	0.588	0.982
300	1439	22.30	0.269	0.280	0.0287	0.632	0.584	0.982
300	1440	22.30	0.269	0.280	0.0285	0.629	0.582	0.982
300	1441	22.10	0.269	0.280	0.0283	0.623	0.577	0.972
300	1442	22.00	0.269	0.280	0.0280	0.617	0.573	0.972
300	1443	21.80	0.265	0.273	0.0278	0.614	0.569	0.972
300	1444	21.90	0.263	0.270	0.0275	0.608	0.564	0.962
300	1445	21.90	0.263	0.270	0.0273	0.603	0.558	0.957
300	1446	22.10	0.263	0.270	0.0269	0.597	0.553	0.943
300	1447	22.10	0.259	0.264	0.0268	0.602	0.558	0.943
300	1448	22.20	0.259	0.264	0.0265	0.586	0.542	0.918
300	1449	22.10	0.255	0.258	0.0262	0.571	0.529	0.904
300	1450	22.00	0.255	0.258	0.0260	0.573	0.531	0.918
300	1451	22.00	0.255	0.258	0.0261	0.577	0.535	0.943
300	1452	22.00	0.257	0.261	0.0258	0.571	0.529	0.933
300	1453	22.00	0.255	0.258	0.0258	0.576	0.533	0.948
300	1454	22.00	0.255	0.258	0.0256	0.573	0.531	0.938
300	1455	22.10	0.255	0.258	0.0254	0.570	0.527	0.943
300	1456	22.10	0.253	0.255	0.0253	0.567	0.5_4	0.938
300	1457	22.10	0.253	0.255	0.0251	0.562	0.520	0.933
300	1458	22.10	0.253	0.255	0.0249	0.558	0.515	0.933
300	1459	22.00	0.253	0.255	0.0246	0.550	0.507	0.918
300	1500	22.00	0.249	0.249	0.0246	0.553	0.511	0.923
300	1501	22.00	0.249	0.249	0.0243	0.552	0.509	0.928
300	1502	21.90	0.249	0.249	0.0240	0.546	0.504	0.923
300	1503	21.90	0.247	0.246	0.0238	0.537	0.496	0.918
300	1505	21.80	0.247	0.246	0.0235	0.531	0.491	0.918
300	1506	21.80	0.246	0.243	0.0233	0.528	0.487	0.918
300	1507	22.00	0.244	0.240	0.0232	0.525	0.482	0.918
300	1508	22.10	0.244	0.240	0.0230	0.520	0.478	0.918
300	1509	22.30	0.242	0.237	0.0227	0.513	0.471	0.914
300	1510	22.30	0.242	0.237	0.0226	0.511	0.471	0.918
300	1511	22.30	0.242	0.237	0.0224	0.508	0.467	0.918
300	1512	22.30	0.242	0.237	0.0222	0.505	0.465	0.918
300	1513	22.30	0.240	0.235	0.0219	0.501	0.460	0.909
300	1514	22.40	0.238	0.232	0.0217	0.498	0.456	0.904
300	1515	22.40	0.236	0.229	0.0215	0.495	0.454	0.894
300	1516	22.30	0.236	0.229	0.0213	0.487	0.449	0.879
300	1517	22.20	0.234	0.226	0.0210	0.481	0.442	0.865
300	1518	22.10	0.232	0.223	0.0208	0.478	0.440	0.870
300	1519	22.00	0.230	0.221	0.0206	0.475	0.436	0.870
300	1520	21.90	0.228	0.218	0.0204	0.469	0.431	0.865
300	1521	22.00	0.226	0.215	0.0202	0.462	0.423	0.860
300	1522	22.20	0.226	0.215	0.0199	0.451	0.414	0.845
300	1523	22.10	0.224	0.212	0.0200	0.459	0.420	0.870
300	1524	22.10	0.224	0.212	0.0198	0.457	0.418	0.875
300	1525	22.00	0.224	0.212	0.0195	0.451	0.412	0.870
300	1526	22.00	0.222	0.210	0.0192	0.445	0.407	0.850
300	1527	22.10	0.220	0.207	0.0190	0.442	0.405	0.836
300	1528	22.10	0.218	0.204	0.0186	0.426	0.387	0.787

HTI SUNLIGHT INTENSITY STUDY: USEPA CONTRACT NO. 68-02-2258 LUNAR DATE: 10-27-75 JULIAN DATE: 75300

JULIAN DATE	TIME (EST)	TEMP (°C)	NOB (PPM)	K1B (1/MIN)	UV (LANGLEYS/MIN)	TSR (LANGLEYS/MIN)	395 (LANGLEYS/MIN)	NIP (LANGLEYS/MIN)
300	1529	22.00	0.216	0.202	0.0186	0.424	0.385	0.777
300	1530	22.10	0.214	0.199	0.0164	0.197	0.179	0.141
300	1531	22.10	0.201	0.182	0.0172	0.307	0.277	0.452
300	1532	22.00	0.193	0.172	0.0158	0.180	0.162	0.058
300	1533	21.80	0.186	0.163	0.0159	0.223	0.201	0.165
300	1534	21.80	0.184	0.160	0.0172	0.417	0.376	0.719
300	1535	21.80	0.195	0.174	0.0173	0.460	0.416	0.787
300	1536	21.80	0.205	0.186	0.0170	0.456	0.412	0.787
300	1537	21.90	0.203	0.184	0.0170	0.463	0.418	0.797
300	1538	22.10	0.203	0.184	0.0166	0.439	0.398	0.714
300	1539	22.10	0.203	0.184	0.0165	0.457	0.414	0.777
300	1540	22.10	0.203	0.184	0.0162	0.429	0.389	0.700
300	1541	22.10	0.199	0.179	0.0157	0.397	0.358	0.622
300	1542	22.00	0.195	0.174	0.0149	0.308	0.279	0.374
300	1543	21.80	0.185	0.163	0.0144	0.248	0.226	0.224
300	1544	21.90	0.174	0.149	0.0141	0.221	0.201	0.141
300	1545	21.80	0.168	0.142	0.0143	0.239	0.217	0.185
300	1546	21.80	0.166	0.140	0.0153	0.409	0.367	0.748
300	1547	21.80	0.180	0.156	0.0152	0.409	0.367	0.753
300	1548	21.80	0.187	0.165	0.0149	0.392	0.352	0.695
300	1549	21.80	0.185	0.162	0.0148	0.405	0.365	0.763
300	1550	21.90	0.185	0.162	0.0145	0.391	0.350	0.743
300	1551	21.90	0.184	0.160	0.0143	0.385	0.345	0.743
300	1552	22.00	0.180	0.156	0.0141	0.383	0.345	0.753
300	1553	22.00	0.178	0.153	0.0138	0.379	0.341	0.739
300	1554	22.00	0.176	0.151	0.0135	0.379	0.338	0.729
300	1555	22.10	0.174	0.149	0.0132	0.374	0.336	0.695
300	1556	22.20	0.172	0.147	0.0129	0.388	0.347	0.724
300	1557	22.30	0.168	0.142	0.0126	0.391	0.350	0.719
300	1558	22.30	0.168	0.142	0.0123	0.389	0.350	0.709
300	1559	22.20	0.164	0.138	0.0118	0.379	0.341	0.680
300	1600	22.30	0.160	0.134	0.0114	0.358	0.323	0.627
300	1601	22.30	0.154	0.127	0.0104	0.209	0.195	0.107
300	1602	22.20	0.139	0.111	0.0099	0.177	0.168	0.029
300	1603	22.10	0.124	0.096	0.0095	0.167	0.159	0.015
300	1604	22.00	0.116	0.088	0.0093	0.162	0.155	0.019
300	1605	21.90	0.110	0.083	0.0091	0.159	0.150	0.019
300	1606	21.90	0.106	0.079	0.0088	0.158	0.150	0.015
300	1607	21.80	0.102	0.076	0.0086	0.153	0.146	0.015
300	1608	21.70	0.100	0.074	0.0083	0.147	0.142	0.015
300	1609	21.70	0.098	0.072	0.0081	0.143	0.137	0.015
300	1610	21.60	0.095	0.069	0.0079	0.140	0.133	0.015
300	1611	21.50	0.093	0.067	0.0076	0.137	0.131	0.015
300	1658	20.20	0.019	0.009	0.0011	0.020	0.022	0.015
300	1659	20.10	0.017	0.008	0.0011	0.018	0.020	0.015
300	1700	20.20	0.017	0.008	0.0011	0.018	0.020	0.015
300	1701	20.10	0.017	0.008	0.0010	0.017	0.020	0.015
300	1702	20.10	0.017	0.008	0.0010	0.015	0.018	0.015
300	1703	20.10	0.017	0.008	0.0010	0.015	0.018	0.015
300	1704	20.10	0.017	0.008	0.0010	0.017	0.018	0.019
300	1705	20.00	0.015	0.006	0.0010	0.015	0.018	0.015
300	1706	20.00	0.015	0.006	0.0010	0.015	0.018	0.019

HTI SUNLIGHT INTENSITY STUDY: USEPA CONTRACT NO. 68-02-2258 LUNAR DATE: 10-27-75 JULIAN DATE: 75300

JULIAN DATE	TIME (EST)	TEMP (°C)	NOB (PPM)	K1B (1/MIN)	UV (LANGLEYS/MIN)	TSR (LANGLEYS/MIN)	395 (LANGLEYS/MIN)	NIP (LANGLEYS/MIN)
300	1707	20.00	0.015	0.006	0.0009	0.014	0.0	0.015
300	1707	20.00	0.015	0.006	0.0009	0.014	0.0	0.015
300	1709	20.00	0.015	0.006	0.0008	0.014	0.015	0.015
300	1710	19.90	0.015	0.006	0.0008	0.011	0.013	0.015
300	1711	19.90	0.014	0.005	0.0007	0.011	0.013	0.015
300	1712	19.90	0.014	0.005	0.0007	0.011	0.013	0.015
300	1713	19.80	0.014	0.005	0.0007	0.011	0.013	0.019
300	1714	19.80	0.012	0.004	0.0007	0.011	0.013	0.015
300	1715	19.80	0.012	0.004	0.0006	0.009	0.011	0.015
300	1716	19.80	0.012	0.004	0.0005	0.009	0.011	0.015
300	1717	19.80	0.012	0.004	0.0006	0.009	0.011	0.019
300	1718	19.90	0.012	0.004	0.0005	0.008	0.011	0.019
300	1719	19.90	0.010	0.002	0.0004	0.008	0.009	0.015
300	1720	19.80	0.010	0.002	0.0004	0.006	0.009	0.019
300	1721	19.80	0.010	0.002	0.0003	0.006	0.009	0.019
300	1722	19.80	0.008	0.001	0.0003	0.006	0.009	0.019
300	1723	19.80	0.008	0.001	0.0002	0.005	0.009	0.019
300	1724	19.70	0.008	0.001	0.0001	0.003	0.009	0.015

RTI SUNLIGHT INTENSITY STUDY: USEPA CONTRACT NO. 68-02-2258 LUNAR DATE: 10-28-75 JULIAN DATE: 75301

JULIAN DATE	TIME (EST)	TEMP (°C)	NOB (PPM)	K1B (1/MIN)	UV (LANGLEYS/MIN)	TSR (LANGLEYS/MIN)	395 (LANGLEYS/MIN)	NIP (LANGLEYS/MIN)
301	710	15.10	0.036	0.012	0.0015	0.042	0.049	0.019
301	711	15.10	0.038	0.013	0.0016	0.044	0.049	0.015
301	712	15.10	0.041	0.015	0.0019	0.048	0.053	0.019
301	713	15.20	0.043	0.016	0.0020	0.051	0.058	0.015
301	714	15.10	0.045	0.018	0.0023	0.054	0.060	0.019
301	715	15.10	0.047	0.019	0.0023	0.056	0.062	0.019
301	716	15.20	0.049	0.021	0.0025	0.059	0.064	0.019
301	717	15.20	0.051	0.022	0.0026	0.062	0.066	0.019
301	718	15.30	0.053	0.024	0.0027	0.065	0.071	0.019
301	719	15.30	0.055	0.025	0.0029	0.066	0.073	0.015
301	720	15.30	0.057	0.027	0.0030	0.068	0.073	0.019
301	721	15.30	0.059	0.028	0.0032	0.072	0.077	0.015
301	722	15.30	0.061	0.030	0.0034	0.075	0.080	0.019
301	723	15.30	0.063	0.031	0.0037	0.080	0.084	0.019
301	724	15.30	0.065	0.033	0.0039	0.081	0.084	0.019
301	725	15.40	0.069	0.036	0.0042	0.083	0.086	0.019
301	726	15.30	0.069	0.036	0.0045	0.084	0.088	0.019
301	727	15.40	0.073	0.040	0.0047	0.084	0.086	0.015
301	728	15.40	0.075	0.041	0.0049	0.086	0.086	0.015
301	729	15.30	0.077	0.043	0.0050	0.087	0.088	0.015
301	730	15.40	0.079	0.044	0.0053	0.089	0.091	0.015
301	731	15.40	0.083	0.048	0.0055	0.092	0.093	0.015
301	732	15.40	0.085	0.050	0.0057	0.095	0.095	0.019
301	733	15.40	0.087	0.051	0.0059	0.099	0.100	0.019
301	734	15.50	0.089	0.053	0.0061	0.104	0.104	0.019
301	735	15.50	0.093	0.056	0.0064	0.113	0.113	0.024
301	736	15.50	0.095	0.058	0.0065	0.117	0.117	0.024
301	737	15.50	0.099	0.062	0.0067	0.123	0.124	0.019
301	738	15.50	0.101	0.063	0.0068	0.123	0.122	0.024
301	739	15.50	0.101	0.063	0.0069	0.123	0.122	0.019
301	740	15.60	0.105	0.067	0.0071	0.125	0.124	0.019
301	741	15.60	0.105	0.067	0.0072	0.132	0.133	0.024
301	742	15.60	0.107	0.069	0.0073	0.167	0.166	0.185
301	743	15.60	0.107	0.069	0.0073	0.168	0.168	0.190
301	744	15.60	0.109	0.071	0.0071	0.149	0.148	0.131
301	745	15.50	0.109	0.071	0.0069	0.117	0.117	0.019
301	746	15.60	0.105	0.067	0.0069	0.113	0.113	0.019
301	747	15.50	0.103	0.065	0.0072	0.114	0.113	0.015
301	748	15.60	0.103	0.065	0.0075	0.131	0.131	0.024
301	749	15.60	0.105	0.067	0.0078	0.143	0.142	0.039
301	750	15.60	0.109	0.071	0.0081	0.146	0.146	0.058
301	751	15.60	0.113	0.074	0.0083	0.132	0.131	0.068
301	752	15.50	0.115	0.076	0.0086	0.132	0.131	0.024
301	753	15.50	0.117	0.078	0.0087	0.122	0.119	0.024
301	754	15.50	0.119	0.080	0.0089	0.117	0.115	0.024
301	755	15.40	0.119	0.080	0.0091	0.123	0.119	0.019
301	756	15.40	0.119	0.080	0.0094	0.123	0.119	0.019
301	757	15.40	0.123	0.084	0.0096	0.131	0.126	0.015
301	758	15.30	0.125	0.086	0.0099	0.150	0.146	0.019
301	759	15.30	0.129	0.090	0.0102	0.152	0.148	0.019
301	800	15.30	0.131	0.092	0.0103	0.153	0.148	0.024
301	801	15.30	0.135	0.096	0.0105	0.165	0.162	0.049

RTI SUNLIGHT INTENSITY STUDY: USEPA CONTRACT NO. 68-02-2258 LUNAR DATE: 10-28-75 JULIAN DATE: 75301

JULIAN DATE	TIME (EST)	TEMP (°C)	NDB (PPM)	K1B (1/MIN)	UV (LANGLEYS/MIN)	TSR (LANGLEYS/MIN)	395 (LANGLEYS/MIN)	VIP (LANGLEYS/MIN)
301	802	15.40	0.138	0.098	0.0107	0.177	0.173	0.053
301	803	15.40	0.142	0.102	0.0109	0.229	0.223	0.233
301	804	15.40	0.144	0.104	0.0109	0.211	0.208	0.117
301	805	15.50	0.148	0.108	0.0111	0.200	0.195	0.087
301	806	15.50	0.148	0.108	0.0113	0.194	0.188	0.029
301	807	15.60	0.146	0.106	0.0115	0.192	0.188	0.039
301	808	15.60	0.150	0.110	0.0118	0.188	0.179	0.039
301	809	15.60	0.148	0.108	0.0121	0.183	0.177	0.034
301	810	15.60	0.150	0.110	0.0123	0.182	0.175	0.024
301	811	15.60	0.152	0.112	0.0126	0.194	0.186	0.034
301	812	15.60	0.154	0.114	0.0129	0.221	0.215	0.151
301	813	15.60	0.158	0.119	0.0132	0.247	0.239	0.185
301	814	15.70	0.164	0.125	0.0135	0.289	0.281	0.335
301	815	15.80	0.170	0.132	0.0138	0.304	0.296	0.398
301	816	15.80	0.174	0.137	0.0140	0.304	0.296	0.379
301	817	15.80	0.176	0.139	0.0142	0.313	0.303	0.384
301	818	15.90	0.178	0.141	0.0143	0.313	0.303	0.364
301	819	15.90	0.180	0.144	0.0145	0.326	0.319	0.379
301	820	15.90	0.178	0.141	0.0148	0.332	0.321	0.394
301	821	16.00	0.184	0.148	0.0148	0.332	0.323	0.364
301	822	16.00	0.182	0.146	0.0150	0.340	0.330	0.369
301	823	16.10	0.184	0.148	0.0152	0.362	0.352	0.442
301	824	16.10	0.186	0.151	0.0154	0.376	0.365	0.452
301	825	16.10	0.186	0.151	0.0158	0.394	0.381	0.462
301	826	16.30	0.188	0.153	0.0161	0.406	0.394	0.457
301	827	16.40	0.192	0.158	0.0164	0.406	0.394	0.437
301	828	16.40	0.194	0.161	0.0168	0.451	0.436	0.471
301	829	16.40	0.198	0.166	0.0172	0.492	0.478	0.496
301	830	16.40	0.202	0.171	0.0176	0.522	0.507	0.505
301	831	16.40	0.204	0.173	0.0180	0.549	0.533	0.515
301	832	16.40	0.208	0.178	0.0181	0.565	0.549	0.505
301	833	16.50	0.210	0.181	0.0179	0.565	0.549	0.486
301	834	16.60	0.210	0.181	0.0175	0.552	0.538	0.462
301	835	16.70	0.208	0.179	0.0167	0.462	0.447	0.243
301	836	16.80	0.206	0.176	0.0165	0.483	0.467	0.321
301	837	16.90	0.196	0.163	0.0154	0.359	0.347	0.044
301	838	16.80	0.188	0.153	0.0152	0.358	0.345	0.049
301	839	16.80	0.182	0.146	0.0151	0.352	0.338	0.053
301	840	16.80	0.178	0.142	0.0148	0.337	0.323	0.034
301	841	16.70	0.174	0.137	0.0146	0.323	0.312	0.029
301	842	16.80	0.172	0.135	0.0145	0.314	0.301	0.024
301	843	16.80	0.170	0.132	0.0145	0.308	0.296	0.024
301	844	16.80	0.170	0.132	0.0145	0.302	0.290	0.019
301	845	16.80	0.168	0.130	0.0145	0.299	0.288	0.015
301	846	16.80	0.166	0.128	0.0148	0.299	0.288	0.019
301	847	16.80	0.166	0.128	0.0150	0.299	0.288	0.019
301	848	16.80	0.166	0.128	0.0153	0.304	0.292	0.019
301	849	16.90	0.168	0.130	0.0157	0.310	0.296	0.024
301	850	16.90	0.170	0.132	0.0161	0.314	0.303	0.024
301	851	17.00	0.170	0.132	0.0162	0.313	0.301	0.029
301	852	17.00	0.174	0.137	0.0163	0.305	0.292	0.024
301	853	17.10	0.176	0.139	0.0162	0.289	0.277	0.019

KTI SUNLIGHT INTENSITY STUDY: USEPA CONTRACT NO. 68-02-2258 LUNAR DATE: 10-28-75 JULIAN DATE: 75301

JULIAN DATE	TIME (EST)	TEMP (°C)	NUB (PPM)	KIB (1/MIN)	UV (LANGLEYS/MIN)	TSR (LANGLEYS/MIN)	395 (LANGLEYS/MIN)	VIP (LANGLEYS/MIN)
301	854	17.20	0.174	0.137	0.0162	0.281	0.268	0.010
301	855	17.20	0.174	0.137	0.0164	0.287	0.274	0.010
301	856	17.30	0.176	0.139	0.0168	0.299	0.285	0.010
301	857	17.30	0.178	0.142	0.0174	0.316	0.301	0.015
301	858	17.30	0.182	0.146	0.0180	0.338	0.323	0.015
301	859	17.30	0.186	0.151	0.0188	0.362	0.345	0.029
301	900	17.30	0.192	0.159	0.0197	0.389	0.374	0.039
301	901	17.30	0.198	0.166	0.0209	0.433	0.414	0.068
301	902	17.50	0.206	0.176	0.0224	0.484	0.462	0.112
301	903	17.60	0.220	0.195	0.0246	0.630	0.604	0.437
301	904	17.70	0.241	0.224	0.0257	0.716	0.688	0.656
301	905	17.90	0.253	0.242	0.0254	0.662	0.635	0.530
301	906	17.80	0.259	0.251	0.0252	0.621	0.602	0.476
301	907	17.80	0.253	0.242	0.0260	0.713	0.686	0.632
301	908	17.80	0.255	0.245	0.0249	0.600	0.573	0.364
301	909	17.80	0.261	0.254	0.0240	0.495	0.471	0.141
301	910	17.90	0.253	0.242	0.0257	0.650	0.619	0.452
301	911	18.00	0.251	0.239	0.0234	0.474	0.451	0.063
301	913	18.10	0.241	0.224	0.0224	0.442	0.420	0.053
301	914	18.10	0.233	0.212	0.0216	0.408	0.387	0.034
301	915	18.10	0.226	0.204	0.0214	0.405	0.385	0.029
301	916	18.00	0.218	0.192	0.0216	0.415	0.394	0.034
301	917	18.00	0.216	0.190	0.0224	0.456	0.434	0.092
301	918	18.00	0.216	0.190	0.0232	0.508	0.485	0.155
301	919	18.20	0.220	0.195	0.0226	0.466	0.442	0.073
301	920	18.10	0.227	0.204	0.0221	0.442	0.423	0.029
301	921	18.00	0.224	0.201	0.0228	0.499	0.473	0.151
301	922	17.90	0.218	0.192	0.0219	0.426	0.403	0.029
301	923	18.00	0.220	0.195	0.0219	0.427	0.405	0.029
301	924	18.00	0.216	0.190	0.0243	0.574	0.549	0.355
301	925	18.00	0.218	0.192	0.0221	0.429	0.405	0.034
301	926	17.90	0.227	0.203	0.0221	0.417	0.394	0.034
301	927	17.90	0.220	0.195	0.0220	0.408	0.385	0.024
301	928	17.80	0.216	0.190	0.0223	0.412	0.389	0.024
301	929	17.90	0.216	0.190	0.0229	0.427	0.405	0.029
301	930	17.90	0.214	0.187	0.0244	0.496	0.471	0.131
301	931	17.90	0.216	0.190	0.0247	0.496	0.471	0.117
301	932	17.90	0.227	0.204	0.0243	0.468	0.445	0.068
301	933	17.90	0.229	0.206	0.0240	0.454	0.431	0.058
301	934	18.00	0.231	0.209	0.0229	0.420	0.398	0.049
301	935	18.00	0.231	0.209	0.0218	0.379	0.361	0.029
301	936	18.00	0.220	0.195	0.0213	0.364	0.345	0.024
301	937	18.20	0.214	0.187	0.0214	0.367	0.347	0.019
301	938	18.10	0.208	0.179	0.0221	0.386	0.367	0.019
301	939	18.20	0.208	0.179	0.0227	0.409	0.389	0.019
301	940	18.30	0.208	0.179	0.0231	0.421	0.400	0.024
301	941	18.30	0.210	0.182	0.0232	0.421	0.398	0.029
301	942	18.30	0.216	0.190	0.0231	0.409	0.387	0.034
301	943	18.40	0.218	0.193	0.0230	0.398	0.376	0.024
301	944	18.40	0.214	0.187	0.0233	0.406	0.385	0.019
301	945	18.30	0.216	0.190	0.0241	0.426	0.400	0.034
301	946	18.20	0.219	0.193	0.0244	0.433	0.412	0.019

RTI SUNLIGHT INTENSITY STUDY: USEPA CONTRACT NO. 68-02-2258 LUNAR DATE: 10-28-75 JULIAN DATE: 75301

JULIAN DATE	TIME (EST)	TEMP (°C)	NDB (PPM)	K1B (1/MIN)	UV (LANGLEYS/MIN)	TSR (LANGLEYS/MIN)	395 (LANGLEYS/MIN)	VIP (LANGLEYS/MIN)
301	947	18.30	0.223	0.198	0.0251	0.451	0.429	0.039
301	948	18.30	0.225	0.201	0.0276	0.567	0.544	0.326
301	949	18.40	0.229	0.207	0.0266	0.507	0.482	0.180
301	950	18.40	0.233	0.212	0.0257	0.444	0.423	0.053
301	951	18.60	0.241	0.224	0.0270	0.498	0.473	0.151
301	952	18.60	0.241	0.224	0.0264	0.463	0.440	0.097
301	953	18.60	0.241	0.224	0.0257	0.417	0.392	0.063
301	954	18.40	0.249	0.236	0.0255	0.406	0.381	0.087
301	955	18.40	0.245	0.230	0.0252	0.368	0.345	0.049
301	956	18.40	0.237	0.218	0.0269	0.421	0.398	0.146
301	957	18.40	0.233	0.212	0.0276	0.421	0.398	0.180
301	958	18.50	0.251	0.239	0.0306	0.574	0.551	0.398
301	959	18.50	0.265	0.261	0.0277	0.367	0.341	0.044
301	1000	18.50	0.263	0.258	0.0272	0.352	0.327	0.019
301	1001	18.50	0.251	0.239	0.0272	0.350	0.325	0.024
301	1002	18.50	0.249	0.236	0.0273	0.353	0.327	0.029
301	1003	18.60	0.253	0.242	0.0282	0.374	0.347	0.078
301	1004	18.50	0.263	0.258	0.0289	0.402	0.376	0.117
301	1005	18.50	0.271	0.271	0.0348	0.738	0.706	0.729
301	1006	18.70	0.291	0.307	0.0357	0.762	0.730	0.816
301	1007	18.90	0.301	0.326	0.0360	0.773	0.741	0.826
301	1008	19.00	0.303	0.329	0.0363	0.783	0.752	0.836
301	1009	19.20	0.303	0.330	0.0365	0.795	0.763	0.841
301	1010	19.30	0.303	0.330	0.0363	0.795	0.765	0.821
301	1011	19.30	0.303	0.330	0.0366	0.803	0.772	0.821
301	1012	19.30	0.303	0.330	0.0368	0.811	0.777	0.816
301	1013	19.20	0.303	0.330	0.0359	0.789	0.759	0.797
301	1014	19.10	0.293	0.311	0.0351	0.689	0.657	0.685
301	1015	19.30	0.291	0.307	0.0362	0.776	0.746	0.753
301	1016	19.40	0.297	0.318	0.0366	0.797	0.765	0.787
301	1017	19.60	0.299	0.322	0.0345	0.740	0.717	0.646
301	1018	19.50	0.299	0.322	0.0322	0.481	0.451	0.141
301	1019	19.60	0.281	0.289	0.0305	0.398	0.372	0.063
301	1020	19.60	0.275	0.279	0.0370	0.797	0.763	0.782
301	1021	19.60	0.295	0.315	0.0369	0.791	0.757	0.729
301	1022	19.50	0.303	0.330	0.0336	0.654	0.633	0.583
301	1023	19.80	0.301	0.326	0.0347	0.714	0.690	0.695
301	1024	19.80	0.299	0.322	0.0319	0.454	0.423	0.087
301	1025	19.80	0.279	0.286	0.0359	0.636	0.602	0.345
301	1026	19.60	0.291	0.307	0.0333	0.535	0.502	0.121
301	1027	19.40	0.287	0.300	0.0358	0.686	0.648	0.282
301	1028	19.50	0.295	0.315	0.0374	0.752	0.712	0.481
301	1029	19.50	0.301	0.326	0.0395	0.907	0.867	0.724
301	1030	19.50	0.309	0.342	0.0314	0.489	0.458	0.028
301	1031	19.40	0.279	0.286	0.0306	0.471	0.440	0.028
301	1032	19.40	0.267	0.265	0.0304	0.468	0.436	0.028
301	1033	19.40	0.263	0.259	0.0307	0.475	0.440	0.029
301	1034	19.40	0.265	0.262	0.0326	0.547	0.511	0.112
301	1035	19.40	0.269	0.269	0.0317	0.510	0.476	0.034
301	1036	19.50	0.271	0.272	0.0311	0.490	0.458	0.019
301	1037	19.60	0.269	0.269	0.0303	0.460	0.429	0.019
301	1038	19.60	0.265	0.262	0.0297	0.448	0.418	0.019

RTI SUNLIGHT INTENSITY STUDY: USEPA CONTRACT NO. 68-02-2258 LUNAR DATE: 10-20-75 JULIAN DATE: 75301

JULIAN DATE	TIME (EST)	TEMP (°C)	NOB (PPM)	KIB (1/MIN)	UV (LANGLEYS/MIN)	TSR (LANGLEYS/MIN)	395 (LANGLEYS/MIN)	NIP (LANGLEYS/MIN)
301	1039	19.70	0.261	0.256	0.0297	0.457	0.427	0.024
301	1040	19.90	0.261	0.256	0.0300	0.483	0.451	0.024
301	1041	19.90	0.261	0.256	0.0303	0.502	0.469	0.019
301	1042	19.90	0.261	0.256	0.0308	0.526	0.493	0.019
301	1043	19.90	0.263	0.259	0.0326	0.612	0.575	0.117
301	1044	20.00	0.269	0.269	0.0319	0.573	0.538	0.102
301	1045	19.90	0.269	0.269	0.0314	0.555	0.520	0.073
301	1046	20.00	0.265	0.262	0.0314	0.568	0.535	0.107
301	1047	19.90	0.265	0.262	0.0303	0.519	0.485	0.019
301	1048	19.90	0.261	0.256	0.0302	0.507	0.473	0.019
301	1049	19.90	0.259	0.252	0.0300	0.496	0.462	0.015
301	1050	19.90	0.257	0.249	0.0298	0.484	0.451	0.015
301	1051	19.80	0.257	0.249	0.0297	0.472	0.438	0.015
301	1052	19.80	0.255	0.246	0.0300	0.475	0.442	0.019
301	1053	19.70	0.257	0.249	0.0304	0.492	0.458	0.019
301	1054	19.70	0.259	0.252	0.0311	0.520	0.487	0.024
301	1055	19.80	0.263	0.259	0.0313	0.537	0.502	0.024
301	1056	19.90	0.263	0.259	0.0314	0.540	0.507	0.024
301	1057	20.00	0.263	0.259	0.0341	0.645	0.606	0.136
301	1058	20.00	0.269	0.269	0.0349	0.668	0.628	0.131
301	1059	20.10	0.279	0.286	0.0371	0.753	0.710	0.243
301	1100	20.10	0.291	0.308	0.0412	0.997	0.940	0.573
301	1101	20.30	0.303	0.330	0.0343	0.648	0.608	0.092
301	1102	20.20	0.287	0.300	0.0337	0.624	0.586	0.068
301	1103	20.20	0.281	0.290	0.0355	0.686	0.646	0.141
301	1104	20.30	0.283	0.293	0.0360	0.701	0.662	0.185
301	1105	20.30	0.291	0.308	0.0394	0.805	0.757	0.413
301	1106	20.30	0.293	0.311	0.0375	0.713	0.670	0.228
301	1107	20.50	0.301	0.326	0.0429	0.947	0.903	0.685
301	1108	20.50	0.306	0.338	0.0379	0.716	0.675	0.287
301	1109	20.60	0.306	0.334	0.0444	1.050	0.993	0.821
301	1110	20.90	0.310	0.342	0.0411	0.872	0.825	0.559
301	1111	20.80	0.314	0.350	0.0376	0.693	0.650	0.287
301	1112	20.60	0.306	0.334	0.0391	0.779	0.746	0.471
301	1113	20.60	0.301	0.327	0.0377	0.705	0.662	0.326
301	1114	20.40	0.295	0.315	0.0389	0.734	0.690	0.442
301	1115	20.40	0.293	0.311	0.0420	0.949	0.905	0.758
301	1116	20.50	0.310	0.342	0.0387	0.770	0.723	0.491
301	1117	20.50	0.306	0.334	0.0352	0.609	0.569	0.258
301	1118	20.40	0.295	0.315	0.0347	0.540	0.502	0.238
301	1206	21.80	0.318	0.359	0.0434	1.008	0.947	0.899
301	1207	22.00	0.318	0.359	0.0435	1.005	0.945	0.909
301	1208	22.00	0.320	0.364	0.0436	1.008	0.947	0.918
301	1209	21.90	0.320	0.363	0.0318	0.427	0.396	0.053
301	1210	21.90	0.296	0.316	0.0321	0.445	0.409	0.034
301	1211	21.70	0.267	0.267	0.0320	0.469	0.436	0.165
301	1212	22.00	0.261	0.257	0.0383	0.869	0.825	0.802
301	1213	21.90	0.279	0.287	0.0337	0.559	0.529	0.316
301	1214	22.00	0.290	0.305	0.0425	1.008	0.947	0.816
301	1215	22.10	0.304	0.331	0.0338	0.568	0.538	0.151
301	1216	22.10	0.306	0.335	0.0338	0.537	0.498	0.078
301	1217	22.10	0.290	0.305	0.0440	1.081	1.015	0.904

RTI SUNLIGHT INTENSITY STUDY: USEPA CONTRACT NO. 68-02-2258 LUNAR DATE: 10-28-75 JULIAN DATE: 75301

JULIAN DATE	TIME (EST)	TEMP (°C)	NOB (PPM)	K1B (1/MIN)	UV (LANGLEYS/MIN)	TSR (LANGLEYS/MIN)	395 (LANGLEYS/MIN)	VIP (LANGLEYS/MIN)
301	1218	22.10	0.304	0.331	0.0437	1.101	1.035	0.928
301	1219	22.10	0.318	0.359	0.0410	0.988	0.936	0.748
301	1220	22.30	0.318	0.360	0.0332	0.574	0.535	0.121
301	1221	22.20	0.316	0.355	0.0374	0.753	0.697	0.369
301	1222	22.10	0.292	0.309	0.0436	1.117	1.049	0.918
301	1223	22.10	0.300	0.324	0.0379	0.838	0.785	0.481
301	1224	22.00	0.310	0.343	0.0333	0.615	0.575	0.160
301	1225	22.10	0.296	0.316	0.0300	0.504	0.471	0.029
301	1226	22.00	0.271	0.273	0.0295	0.496	0.467	0.024
301	1227	22.00	0.257	0.251	0.0293	0.499	0.469	0.015
301	1228	21.90	0.251	0.241	0.0292	0.496	0.465	0.010
301	1229	21.90	0.249	0.238	0.0289	0.492	0.456	0.010
301	1230	21.80	0.249	0.238	0.0287	0.486	0.451	0.015
301	1231	21.80	0.249	0.238	0.0284	0.471	0.436	0.010
301	1232	21.80	0.247	0.235	0.0284	0.469	0.436	0.010
301	1233	21.80	0.247	0.235	0.0284	0.472	0.438	0.019
301	1234	21.80	0.247	0.235	0.0289	0.480	0.447	0.029
301	1235	21.80	0.247	0.235	0.0303	0.510	0.473	0.063
301	1236	21.80	0.259	0.254	0.0407	1.039	0.973	0.836
301	1237	21.90	0.290	0.305	0.0422	1.090	1.022	0.909
301	1238	22.10	0.308	0.339	0.0307	0.519	0.487	0.078
301	1239	22.00	0.308	0.339	0.0319	0.562	0.527	0.131
301	1240	22.00	0.275	0.280	0.0318	0.594	0.564	0.282
301	1241	22.10	0.282	0.291	0.0399	1.054	0.991	0.879
301	1242	22.10	0.300	0.324	0.0383	0.986	0.927	0.821
301	1243	22.10	0.306	0.335	0.0382	1.006	0.942	0.889
301	1244	22.10	0.300	0.324	0.0357	0.925	0.867	0.773
301	1245	22.00	0.300	0.324	0.0300	0.627	0.584	0.389
301	1246	22.10	0.286	0.298	0.0251	0.432	0.403	0.151
301	1247	22.10	0.253	0.244	0.0274	0.635	0.595	0.423
301	1248	22.20	0.243	0.229	0.0210	0.299	0.279	0.015
301	1249	22.20	0.233	0.214	0.0208	0.289	0.268	0.015
301	1250	22.20	0.221	0.197	0.0207	0.277	0.257	0.010
301	1251	22.30	0.215	0.189	0.0208	0.266	0.246	0.010
301	1252	22.20	0.213	0.187	0.0205	0.250	0.230	0.010
301	1253	22.10	0.213	0.187	0.0202	0.235	0.215	0.010
301	1254	22.10	0.211	0.184	0.0202	0.230	0.210	0.010
301	1255	22.00	0.209	0.181	0.0205	0.233	0.215	0.015
301	1256	22.00	0.211	0.184	0.0207	0.235	0.215	0.015
301	1257	22.00	0.211	0.184	0.0208	0.235	0.215	0.015
301	1258	22.00	0.213	0.186	0.0216	0.247	0.223	0.034
301	1259	22.10	0.213	0.187	0.0216	0.244	0.221	0.015
301	1300	22.00	0.219	0.195	0.0218	0.238	0.217	0.010
301	1301	22.00	0.219	0.195	0.0220	0.236	0.215	0.015
301	1302	21.90	0.219	0.195	0.0223	0.239	0.217	0.010
301	1303	21.90	0.219	0.195	0.0227	0.248	0.226	0.010
301	1304	21.80	0.219	0.195	0.0229	0.248	0.226	0.010
301	1305	21.80	0.219	0.195	0.0229	0.247	0.223	0.015
301	1306	21.80	0.219	0.195	0.0231	0.253	0.230	0.015
301	1307	21.80	0.221	0.197	0.0232	0.257	0.235	0.015
301	1308	21.80	0.221	0.197	0.0235	0.269	0.248	0.019
301	1309	21.90	0.221	0.197	0.0237	0.275	0.252	0.019

RTI SUNLIGHT INTENSITY STUDY: USEPA CONTRACT NO. 68-02-2258 LUNAR DATE: 10-28-75 JULIAN DATE: 75301

JULIAN DATE	TIME (EST)	TEMP (°C)	NOB (PPM)	K1B (1/MIN)	UV (LANGLEYS/MIN)	TSR (LANGLEYS/MIN)	395 (LANGLEYS/MIN)	NIP (LANGLEYS/MIN)
301	1310	22.00	0.225	0.203	0.0235	0.274	0.252	0.019
301	1311	22.00	0.223	0.200	0.0235	0.281	0.259	0.019
301	1312	22.00	0.223	0.200	0.0238	0.295	0.272	0.019
301	1313	22.00	0.223	0.200	0.0238	0.307	0.283	0.019
301	1314	22.00	0.225	0.203	0.0238	0.322	0.299	0.015
301	1315	22.00	0.227	0.206	0.0238	0.332	0.310	0.019
301	1316	22.00	0.223	0.200	0.0235	0.329	0.305	0.019
301	1317	22.00	0.223	0.200	0.0232	0.322	0.301	0.024
301	13.8	22.00	0.221	0.197	0.0231	0.325	0.301	0.019
301	1319	22.00	0.219	0.195	0.0232	0.329	0.305	0.019
301	1320	22.00	0.219	0.195	0.0235	0.338	0.314	0.019
301	1321	22.00	0.221	0.197	0.0239	0.352	0.327	0.019
301	1322	22.00	0.223	0.200	0.0238	0.353	0.330	0.029
301	1323	22.00	0.223	0.200	0.0234	0.347	0.323	0.024
301	1324	22.00	0.223	0.200	0.0230	0.343	0.321	0.019
301	1325	22.00	0.219	0.195	0.0229	0.344	0.321	0.019
301	1326	22.00	0.219	0.195	0.0227	0.346	0.323	0.024
301	1327	22.10	0.217	0.192	0.0224	0.343	0.321	0.019
301	1328	22.10	0.215	0.189	0.0219	0.334	0.314	0.024
301	1329	22.20	0.213	0.187	0.0216	0.328	0.308	0.019
301	1330	22.20	0.209	0.181	0.0216	0.335	0.316	0.019
301	1331	22.10	0.209	0.181	0.0218	0.344	0.325	0.024
301	1332	22.20	0.209	0.181	0.0219	0.346	0.325	0.024
301	1333	22.20	0.211	0.184	0.0218	0.344	0.323	0.019
301	1334	22.10	0.211	0.184	0.0216	0.335	0.316	0.019
301	1335	22.10	0.211	0.184	0.0213	0.323	0.303	0.019
301	1336	22.10	0.209	0.181	0.0213	0.320	0.301	0.019
301	1337	22.20	0.205	0.176	0.0215	0.322	0.303	0.019
301	1338	22.30	0.205	0.176	0.0218	0.328	0.308	0.019
301	1339	22.30	0.207	0.179	0.0221	0.334	0.312	0.024
301	1340	22.30	0.209	0.181	0.0224	0.343	0.321	0.019
301	1341	22.30	0.209	0.181	0.0230	0.356	0.334	0.019
301	1342	22.30	0.211	0.184	0.0235	0.362	0.341	0.024
301	1343	22.30	0.213	0.187	0.0235	0.355	0.332	0.019
301	1344	22.20	0.217	0.192	0.0235	0.343	0.321	0.019
301	1345	22.10	0.217	0.192	0.0235	0.335	0.314	0.024
301	1346	22.10	0.219	0.195	0.0239	0.337	0.314	0.019
301	1347	22.00	0.219	0.195	0.0242	0.335	0.312	0.024
301	1348	22.00	0.223	0.200	0.0245	0.334	0.310	0.034
301	1349	22.00	0.225	0.203	0.0248	0.335	0.310	0.034
301	1350	22.00	0.229	0.209	0.0265	0.420	0.389	0.165
301	1351	22.10	0.231	0.212	0.0284	0.492	0.458	0.321
301	1352	22.30	0.243	0.229	0.0306	0.641	0.597	0.539
301	1353	22.40	0.258	0.251	0.0318	0.726	0.677	0.646
301	1354	22.50	0.272	0.274	0.0328	0.806	0.757	0.845
301	1355	22.60	0.280	0.288	0.0325	0.788	0.739	0.816
301	1356	22.80	0.284	0.295	0.0321	0.774	0.728	0.802
301	1357	23.00	0.286	0.299	0.0327	0.792	0.746	0.821
301	1358	22.90	0.286	0.299	0.0326	0.789	0.741	0.816
301	1359	23.00	0.286	0.299	0.0322	0.774	0.728	0.787
301	1400	23.10	0.288	0.302	0.0321	0.782	0.735	0.792
301	1401	23.30	0.282	0.292	0.0317	0.776	0.728	0.782

RTI SUNLIGHT INTENSITY STUDY: USEPA CONTRACT NO. 68-02-2258 LUNAR DATE: 10-28-75 JULIAN DATE: 75301

JULIAN DATE	TIME (EST)	TEMP (°C)	NDB (PPM)	NIB (I/MIN)	UV (LANGLEYS/MIN)	TSR (LANGLEYS/MIN)	395 (LANGLEYS/MIN)	NIP (LANGLEYS/MIN)
301	1402	23.30	0.280	0.288	0.0316	0.783	0.737	0.792
301	1403	23.30	0.278	0.285	0.0313	0.779	0.735	0.792
301	1404	23.40	0.278	0.285	0.0308	0.761	0.715	0.753
301	1405	23.20	0.274	0.278	0.0278	0.597	0.562	0.515
301	1406	23.10	0.258	0.251	0.0271	0.591	0.558	0.534
301	1407	23.00	0.254	0.245	0.0289	0.660	0.617	0.593
301	1408	23.10	0.258	0.251	0.0300	0.759	0.715	0.768
301	1409	23.20	0.272	0.274	0.0303	0.776	0.730	0.787
301	1410	23.10	0.276	0.281	0.0301	0.777	0.732	0.777
301	1411	23.00	0.278	0.285	0.0295	0.750	0.706	0.729
301	1412	23.10	0.274	0.278	0.0295	0.750	0.708	0.739
301	1413	23.00	0.266	0.264	0.0240	0.349	0.325	0.019
301	1414	23.00	0.247	0.236	0.0241	0.346	0.323	0.015
301	1415	22.90	0.231	0.212	0.0246	0.349	0.325	0.029
301	1416	22.80	0.237	0.221	0.0252	0.358	0.332	0.039
301	1417	22.80	0.237	0.221	0.0291	0.618	0.580	0.539
301	1418	22.90	0.262	0.258	0.0310	0.776	0.728	0.802
301	1419	22.90	0.278	0.285	0.0301	0.758	0.710	0.792
301	1420	22.90	0.278	0.285	0.0297	0.737	0.692	0.768
301	1421	23.00	0.278	0.285	0.0289	0.713	0.670	0.729
301	1422	22.80	0.270	0.271	0.0232	0.322	0.299	0.010
301	1423	22.60	0.243	0.230	0.0227	0.314	0.290	0.010
301	1424	22.60	0.225	0.203	0.0221	0.301	0.277	0.010
301	1425	22.80	0.225	0.203	0.0216	0.289	0.268	0.015
301	1426	22.80	0.219	0.195	0.0213	0.286	0.263	0.015
301	1427	22.70	0.213	0.187	0.0210	0.281	0.261	0.019
301	1428	22.60	0.217	0.192	0.0207	0.280	0.259	0.024
301	1429	22.50	0.211	0.184	0.0205	0.280	0.257	0.019
301	1430	22.50	0.207	0.179	0.0204	0.280	0.259	0.019
301	1431	22.50	0.207	0.179	0.0205	0.286	0.263	0.029
301	1432	22.40	0.209	0.182	0.0208	0.313	0.290	0.078
301	1433	22.40	0.213	0.187	0.0215	0.382	0.356	0.190
301	1434	22.40	0.223	0.201	0.0205	0.310	0.288	0.058
301	1435	22.50	0.219	0.195	0.0202	0.299	0.279	0.039
301	1436	22.50	0.215	0.190	0.0205	0.314	0.294	0.058
301	1437	22.50	0.213	0.187	0.0219	0.439	0.412	0.306
301	1438	22.60	0.219	0.195	0.0224	0.489	0.456	0.355
301	1439	22.60	0.225	0.203	0.0214	0.438	0.412	0.321
301	1440	22.60	0.223	0.201	0.0217	0.505	0.476	0.486
301	1441	22.70	0.227	0.206	0.0211	0.468	0.440	0.408
301	1442	22.90	0.225	0.204	0.0211	0.504	0.473	0.496
301	1443	23.00	0.225	0.204	0.0213	0.543	0.513	0.578
301	1444	23.10	0.227	0.207	0.0212	0.532	0.502	0.554
301	1445	23.10	0.227	0.207	0.0212	0.546	0.515	0.583
301	1446	23.30	0.229	0.209	0.0217	0.597	0.562	0.685
301	1447	23.40	0.233	0.215	0.0223	0.633	0.597	0.734
301	1448	23.40	0.237	0.221	0.0227	0.648	0.613	0.734
301	1449	23.40	0.240	0.224	0.0228	0.656	0.619	0.739
301	1450	23.40	0.242	0.227	0.0227	0.650	0.615	0.729
301	1451	23.50	0.242	0.227	0.0224	0.629	0.595	0.690
301	1452	23.60	0.242	0.227	0.0221	0.618	0.584	0.666
301	1453	23.60	0.238	0.221	0.0218	0.598	0.566	0.632

RTI SUNLIGHT INTENSITY STUDY: USEPA CONTRACT NO. 68-02-2258 LUNAR DATE: 10-28-75 JULIAN DATE: 75301

JULIAN DATE	TIME (EST)	TEMP (°C)	NOB (PPM)	K1B (1/MIN)	UV (LANGLEYS/MIN)	TSR (LANGLEYS/MIN)	395 (LANGLEYS/MIN)	NIP (LANGLEYS/MIN)
301	1454	23.60	0.233	0.215	0.0185	0.605	0.573	0.641
301	1455	23.40	0.233	0.215	0.0219	0.627	0.595	0.685
301	1456	23.50	0.233	0.215	0.0216	0.623	0.591	0.680
301	1457	23.50	0.235	0.218	0.0216	0.635	0.602	0.705
301	1458	23.50	0.235	0.218	0.0216	0.638	0.604	0.705
301	1459	23.50	0.238	0.221	0.0213	0.638	0.604	0.705
301	1500	23.60	0.236	0.218	0.0210	0.635	0.602	0.705
301	1501	23.60	0.233	0.215	0.0213	0.635	0.602	0.714
301	1502	23.50	0.233	0.215	0.0208	0.624	0.591	0.709
301	1503	23.40	0.229	0.210	0.0204	0.614	0.582	0.709
301	1504	23.40	0.229	0.210	0.0201	0.605	0.573	0.705
301	1505	23.50	0.227	0.207	0.0197	0.591	0.560	0.695
301	1506	23.40	0.223	0.201	0.0194	0.588	0.555	0.700
301	1507	23.50	0.221	0.198	0.0191	0.583	0.551	0.695
301	1508	23.60	0.219	0.196	0.0187	0.577	0.546	0.690
301	1509	23.60	0.217	0.193	0.0183	0.574	0.544	0.685
301	1510	23.50	0.217	0.193	0.0179	0.573	0.544	0.685
301	1511	23.50	0.213	0.187	0.0178	0.576	0.546	0.690
301	1512	23.50	0.213	0.187	0.0175	0.571	0.542	0.685
301	1513	23.40	0.209	0.182	0.0174	0.570	0.542	0.685
301	1514	23.50	0.209	0.182	0.0171	0.561	0.533	0.671
301	1515	23.40	0.207	0.179	0.0167	0.528	0.500	0.607
301	1516	23.40	0.205	0.177	0.0165	0.541	0.513	0.651
301	1517	23.30	0.205	0.177	0.0164	0.529	0.504	0.627
301	1518	23.30	0.201	0.172	0.0164	0.540	0.515	0.656
301	1519	23.30	0.203	0.174	0.0164	0.540	0.513	0.661
301	1520	23.30	0.203	0.174	0.0165	0.538	0.511	0.666
301	1521	23.30	0.205	0.177	0.0164	0.537	0.509	0.666
301	1522	23.40	0.205	0.177	0.0164	0.532	0.504	0.661
301	1523	23.30	0.205	0.177	0.0163	0.532	0.504	0.661
301	1524	23.30	0.203	0.174	0.0162	0.528	0.500	0.661
301	1525	23.40	0.201	0.172	0.0160	0.522	0.496	0.656
301	1526	23.30	0.201	0.172	0.0159	0.522	0.496	0.666
301	1527	23.40	0.199	0.169	0.0156	0.517	0.491	0.666
301	1528	23.30	0.199	0.169	0.0154	0.513	0.485	0.666
301	1529	23.30	0.197	0.167	0.0151	0.508	0.480	0.666
301	1530	23.30	0.195	0.164	0.0148	0.501	0.473	0.661
301	1531	23.40	0.193	0.162	0.0145	0.490	0.465	0.656
301	1532	23.60	0.191	0.159	0.0143	0.487	0.460	0.656
301	1533	23.50	0.187	0.154	0.0140	0.481	0.454	0.661
301	1534	23.50	0.187	0.154	0.0138	0.475	0.445	0.656
301	1535	23.60	0.183	0.150	0.0135	0.462	0.431	0.646
301	1536	23.50	0.181	0.147	0.0132	0.447	0.418	0.641
301	1537	23.40	0.179	0.145	0.0129	0.439	0.412	0.632
301	1538	23.30	0.177	0.142	0.0126	0.429	0.400	0.612
301	1539	23.30	0.175	0.140	0.0124	0.427	0.398	0.603
301	1540	23.40	0.171	0.135	0.0123	0.423	0.396	0.583
301	1541	23.30	0.169	0.133	0.0121	0.417	0.389	0.559
301	1542	23.30	0.167	0.131	0.0118	0.412	0.385	0.549
301	1543	23.30	0.165	0.129	0.0115	0.406	0.381	0.549
301	1544	23.20	0.163	0.126	0.0112	0.377	0.354	0.481
301	1545	23.20	0.159	0.122	0.0104	0.284	0.270	0.194

RTI SUNLIGHT INTENSITY STUDY: USEPA CONTRACT NO. 68-02-2258 LUNAR DATE: 10-28-75 JULIAN DATE: 75301

JULIAN DATE	TIME (EST)	TEMP (°C)	NOB (PPM)	K1B (1/MIN)	UV (LANGLEYS/MIN)	TSR (LANGLEYS/MIN)	395 (LANGLEYS/MIN)	NIP (LANGLEYS/MIN)
301	1546	23.10	0.151	0.113	0.0099	0.236	0.228	0.044
301	1547	23.00	0.141	0.103	0.0097	0.232	0.223	0.024
301	1548	23.00	0.133	0.095	0.0096	0.245	0.235	0.073
301	1549	23.00	0.131	0.092	0.0098	0.313	0.294	0.296
301	1550	22.90	0.131	0.092	0.0097	0.305	0.288	0.233
301	1551	22.90	0.135	0.096	0.0094	0.239	0.230	0.029
301	1552	22.80	0.131	0.092	0.0094	0.236	0.228	0.024
301	1553	22.80	0.127	0.088	0.0093	0.232	0.223	0.019
301	1554	22.80	0.125	0.087	0.0091	0.229	0.219	0.019
301	1555	22.70	0.123	0.085	0.0088	0.221	0.212	0.015
301	1556	22.70	0.121	0.083	0.0088	0.215	0.208	0.019
301	1557	22.60	0.119	0.081	0.0086	0.209	0.201	0.024
301	1558	22.60	0.117	0.079	0.0086	0.205	0.197	0.019
301	1559	22.60	0.115	0.077	0.0085	0.195	0.188	0.019
301	1600	22.60	0.113	0.075	0.0085	0.188	0.181	0.019
301	1601	22.60	0.113	0.075	0.0086	0.188	0.181	0.015
301	1602	22.50	0.113	0.075	0.0087	0.197	0.188	0.015
301	1603	22.50	0.115	0.077	0.0089	0.206	0.197	0.015
301	1604	22.50	0.115	0.077	0.0091	0.209	0.199	0.0
301	1605	22.50	0.115	0.077	0.0091	0.209	0.199	0.034
301	1606	22.50	0.117	0.079	0.0091	0.209	0.199	0.053
301	1607	22.50	0.119	0.081	0.0091	0.223	0.208	0.155
301	1608	22.60	0.119	0.081	0.0090	0.205	0.192	0.117
301	1609	22.60	0.119	0.081	0.0086	0.174	0.166	0.034
301	1610	22.50	0.119	0.081	0.0088	0.165	0.157	0.034
301	1611	22.50	0.117	0.079	0.0086	0.155	0.148	0.019
301	1612	22.60	0.115	0.077	0.0085	0.161	0.150	0.068
301	1613	22.60	0.115	0.077	0.0085	0.205	0.186	0.287
301	1614	22.60	0.115	0.077	0.0083	0.203	0.184	0.311
301	1615	22.40	0.115	0.077	0.0083	0.212	0.190	0.364
301	1616	22.40	0.115	0.077	0.0082	0.200	0.181	0.345
301	1617	22.40	0.115	0.077	0.0080	0.174	0.162	0.258
301	1618	22.40	0.113	0.075	0.0079	0.170	0.155	0.243
301	1619	22.40	0.111	0.073	0.0078	0.195	0.175	0.355
301	1620	22.50	0.113	0.075	0.0077	0.197	0.177	0.369
301	1621	22.40	0.111	0.073	0.0076	0.192	0.175	0.369
301	1622	22.50	0.109	0.071	0.0074	0.188	0.168	0.384
301	1623	22.40	0.109	0.071	0.0073	0.183	0.164	0.379
301	1624	22.30	0.107	0.069	0.0071	0.176	0.157	0.384
301	1625	22.40	0.105	0.068	0.0069	0.170	0.153	0.384
301	1626	22.30	0.103	0.066	0.0068	0.165	0.148	0.369
301	1627	22.30	0.101	0.064	0.0067	0.159	0.142	0.350
301	1628	22.10	0.096	0.060	0.0065	0.153	0.137	0.335
301	1629	22.10	0.094	0.059	0.0063	0.144	0.128	0.311
301	1630	22.10	0.094	0.059	0.0061	0.135	0.122	0.287
301	1631	22.10	0.092	0.057	0.0060	0.126	0.113	0.262
301	1632	22.10	0.090	0.055	0.0058	0.119	0.108	0.243
301	1633	22.00	0.088	0.053	0.0057	0.116	0.104	0.238
301	1634	22.00	0.084	0.050	0.0056	0.113	0.102	0.238
301	1635	21.80	0.082	0.048	0.0054	0.113	0.102	0.248
301	1636	21.90	0.080	0.046	0.0053	0.113	0.102	0.258
301	1637	21.70	0.080	0.046	0.0051	0.108	0.100	0.243

RTI SUNLIGHT INTENSITY STUDY: USEPA CONTRACT NO. 68-02-2258 LUNAR DATE: 10-28-75 JULIAN DATE: 75301

JULIAN DATE	TIME (EST)	TEMP (°C)	NOB (PPM)	K1B (1/MIN)	UV (LANGLEYS/MIN)	TSR (LANGLEYS/MIN)	395 (LANGLEYS/MIN)	NIP (LANGLEYS/MIN)
301	1638	21.60	0.078	0.045	0.0050	0.107	0.097	0.243
301	1639	21.50	0.076	0.043	0.0048	0.104	0.095	0.238
301	1640	21.50	0.074	0.041	0.0047	0.102	0.095	0.248
301	1641	21.40	0.074	0.041	0.0045	0.102	0.093	0.258
301	1642	21.40	0.070	0.038	0.0044	0.098	0.088	0.258
301	1643	21.40	0.068	0.036	0.0042	0.093	0.084	0.243
301	1644	21.30	0.068	0.036	0.0042	0.087	0.080	0.219
301	1645	21.30	0.066	0.035	0.0040	0.081	0.073	0.194
301	1646	21.30	0.064	0.033	0.0039	0.078	0.071	0.199
301	1647	21.30	0.062	0.032	0.0037	0.078	0.071	0.228
301	1648	21.20	0.060	0.030	0.0037	0.072	0.066	0.185
301	1649	21.30	0.060	0.030	0.0035	0.063	0.060	0.136
301	1650	21.10	0.058	0.028	0.0034	0.057	0.053	0.112
301	1651	21.00	0.056	0.027	0.0033	0.050	0.046	0.073
301	1652	21.00	0.054	0.025	0.0031	0.041	0.038	0.034
301	1653	20.90	0.052	0.024	0.0030	0.033	0.033	0.019
301	1654	20.80	0.050	0.022	0.0029	0.029	0.027	0.019
301	1655	20.70	0.048	0.021	0.0029	0.024	0.024	0.015
301	1656	20.60	0.048	0.021	0.0027	0.023	0.022	0.015
301	1657	20.50	0.046	0.019	0.0026	0.021	0.020	0.015
301	1658	20.40	0.046	0.019	0.0025	0.018	0.018	0.015
301	1659	20.20	0.044	0.017	0.0024	0.018	0.015	0.015
301	1700	20.10	0.042	0.016	0.0023	0.018	0.018	0.015
301	1701	19.90	0.040	0.014	0.0022	0.017	0.015	0.010
301	1702	19.90	0.038	0.013	0.0021	0.015	0.015	0.015
301	1703	19.80	0.038	0.013	0.0020	0.015	0.013	0.015
301	1704	19.80	0.038	0.013	0.0018	0.014	0.015	0.015
301	1705	19.70	0.036	0.011	0.0018	0.015	0.015	0.019
301	1706	19.60	0.034	0.010	0.0017	0.017	0.018	0.034
301	1707	19.60	0.032	0.009	0.0016	0.017	0.018	0.049
301	1708	19.70	0.032	0.009	0.0015	0.017	0.018	0.044
301	1709	19.80	0.030	0.007	0.0014	0.018	0.020	0.019
301	1710	19.90	0.030	0.007	0.0013	0.014	0.013	0.010
301	1711	19.90	0.028	0.006	0.0012	0.011	0.011	0.010
301	1712	19.90	0.026	0.004	0.0012	0.009	0.009	0.010
301	1713	19.90	0.024	0.003	0.0010	0.009	0.009	0.010
301	1714	19.80	0.024	0.003	0.0010	0.008	0.009	0.010
301	1715	19.80	0.022	0.001	0.0009	0.006	0.007	0.010
301	1716	19.70	0.022	0.001	0.0009	0.006	0.007	0.010

HTI SUNLIGHT INTENSITY STUDY: USEPA CONTRACT NO. 68-02-2258 LUNAR DATE: 10-29-75 JULIAN DATE: 75302

JULIAN DATE	TIME (EST)	TEMP (°C)	NOB (PPM)	K1B (1/MIN)	UV (LANGLEYS/MIN)	TSR (LANGLEYS/MIN)	395 (LANGLEYS/MIN)	NIP (LANGLEYS/MIN)
302	654	9.90	0.024	0.013	0.0	0.021	0.029	0.019
302	655	9.90	0.024	0.013	0.0	0.023	0.029	0.015
302	656	10.00	0.025	0.014	0.0001	0.024	0.031	0.015
302	657	10.00	0.025	0.014	0.0002	0.026	0.033	0.019
302	658	10.00	0.025	0.014	0.0003	0.029	0.033	0.019
302	659	10.00	0.027	0.016	0.0004	0.029	0.035	0.019
302	700	10.00	0.027	0.016	0.0004	0.030	0.035	0.019
302	701	10.00	0.029	0.017	0.0006	0.032	0.038	0.019
302	702	10.00	0.031	0.018	0.0006	0.032	0.038	0.015
302	703	10.00	0.031	0.018	0.0007	0.033	0.040	0.015
302	704	10.10	0.031	0.018	0.0007	0.033	0.040	0.015
302	705	10.10	0.033	0.020	0.0008	0.036	0.042	0.015
302	706	10.10	0.033	0.020	0.0010	0.038	0.044	0.019
302	707	10.10	0.033	0.020	0.0010	0.039	0.044	0.019
302	708	10.20	0.035	0.021	0.0011	0.042	0.046	0.019
302	709	10.30	0.035	0.021	0.0012	0.044	0.049	0.019
302	710	10.30	0.037	0.023	0.0012	0.045	0.051	0.019
302	711	10.30	0.037	0.023	0.0012	0.045	0.051	0.015
302	712	10.30	0.039	0.024	0.0013	0.045	0.049	0.019
302	713	10.40	0.039	0.024	0.0014	0.045	0.051	0.019
302	714	10.40	0.041	0.025	0.0015	0.047	0.051	0.019
302	715	10.40	0.041	0.025	0.0015	0.047	0.051	0.015
302	716	10.40	0.041	0.025	0.0017	0.047	0.051	0.015
302	717	10.50	0.045	0.028	0.0017	0.048	0.053	0.015
302	722	10.50	0.049	0.031	0.0022	0.060	0.064	0.015
302	723	10.50	0.051	0.033	0.0023	0.060	0.066	0.015
302	724	10.50	0.051	0.033	0.0024	0.062	0.066	0.019
302	725	10.50	0.053	0.034	0.0025	0.062	0.064	0.015
302	726	10.40	0.053	0.034	0.0025	0.062	0.066	0.015
302	727	10.40	0.055	0.036	0.0026	0.062	0.064	0.015
302	728	10.50	0.055	0.036	0.0026	0.063	0.066	0.015
302	729	10.50	0.055	0.036	0.0027	0.068	0.071	0.019
302	730	10.50	0.055	0.036	0.0029	0.072	0.075	0.015
302	731	10.50	0.057	0.037	0.0030	0.075	0.077	0.015
302	732	10.50	0.061	0.040	0.0031	0.078	0.082	0.015
302	733	10.50	0.063	0.042	0.0032	0.081	0.084	0.019
302	734	10.50	0.063	0.042	0.0033	0.083	0.084	0.019
302	735	10.50	0.063	0.042	0.0034	0.083	0.086	0.019
302	736	10.60	0.065	0.043	0.0034	0.083	0.086	0.019
302	737	10.60	0.065	0.043	0.0037	0.086	0.088	0.015
302	738	10.60	0.065	0.043	0.0038	0.089	0.091	0.019
302	739	10.70	0.067	0.045	0.0038	0.090	0.093	0.019
302	740	10.80	0.067	0.045	0.0039	0.093	0.095	0.019
302	741	10.80	0.069	0.046	0.0039	0.096	0.097	0.019
302	742	10.80	0.069	0.046	0.0041	0.101	0.102	0.024
302	743	10.80	0.071	0.048	0.0042	0.104	0.106	0.019
302	744	10.90	0.073	0.049	0.0043	0.104	0.106	0.019
302	745	10.90	0.075	0.051	0.0045	0.108	0.111	0.019
302	746	11.00	0.075	0.051	0.0047	0.123	0.124	0.034
302	747	11.00	0.077	0.053	0.0048	0.119	0.119	0.024
302	748	11.00	0.079	0.054	0.0049	0.122	0.122	0.024
302	749	11.10	0.081	0.056	0.0051	0.143	0.144	0.053

RTI SUNLIGHT INTENSITY STUDY: USEPA CONTRACT NO. 68-02-2258 LUNAR DATE: 10-29-75 JULIAN DATE: 75302

JULIAN DATE	TIME (EST)	TEMP (°C)	NDB (PPM)	KIB (1/MIN)	UV (LANGLEYS/MIN)	TSR (LANGLEYS/MIN)	395 (LANGLEYS/MIN)	NIP (LANGLEYS/MIN)
302	750	11.10	0.083	0.057	0.0053	0.140	0.142	0.044
302	751	11.20	0.085	0.059	0.0055	0.135	0.135	0.029
302	752	11.30	0.087	0.061	0.0058	0.141	0.142	0.029
302	753	11.30	0.089	0.062	0.0060	0.140	0.139	0.019
302	754	11.40	0.089	0.062	0.0061	0.140	0.139	0.019
302	755	11.40	0.091	0.064	0.0061	0.140	0.137	0.015
302	756	11.40	0.091	0.064	0.0062	0.137	0.137	0.015
302	757	11.50	0.091	0.064	0.0062	0.135	0.135	0.019
302	758	11.50	0.093	0.066	0.0062	0.135	0.135	0.019
302	759	11.60	0.093	0.066	0.0062	0.135	0.135	0.015
302	800	11.60	0.091	0.064	0.0063	0.137	0.137	0.019
302	801	11.60	0.093	0.066	0.0064	0.138	0.137	0.019
302	802	11.70	0.093	0.066	0.0064	0.141	0.139	0.015
302	803	11.80	0.093	0.066	0.0065	0.144	0.142	0.019
302	804	11.80	0.095	0.067	0.0065	0.143	0.142	0.019
302	805	11.80	0.097	0.069	0.0064	0.140	0.137	0.015
302	806	11.90	0.097	0.069	0.0064	0.138	0.137	0.015
302	807	11.90	0.095	0.067	0.0064	0.140	0.139	0.019
302	808	12.00	0.095	0.067	0.0067	0.149	0.148	0.029
302	809	12.00	0.095	0.067	0.0067	0.146	0.144	0.024
302	810	12.10	0.095	0.067	0.0068	0.144	0.144	0.019
302	811	12.10	0.095	0.067	0.0067	0.143	0.142	0.019
302	812	12.10	0.095	0.067	0.0067	0.14[illegible]	0.137	0.019
302	813	12.10	0.095	0.067	0.0065	0.138	0.137	0.019
302	814	12.10	0.095	0.067	0.0065	0.140	0.139	0.024
302	815	12.10	0.095	0.067	0.0067	0.156	0.155	0.049
302	816	12.10	0.095	0.067	0.0065	0.143	0.142	0.029
302	817	12.20	0.097	0.069	0.0064	0.134	0.133	0.019
302	818	12.30	0.097	0.069	0.0064	0.131	0.128	0.019
302	819	12.20	0.093	0.066	0.0065	0.132	0.131	0.015
302	820	12.30	0.093	0.066	0.0068	0.135	0.133	0.019
302	821	12.20	0.093	0.066	0.0070	0.141	0.139	0.019
302	822	12.30	0.093	0.066	0.0072	0.144	0.144	0.019
302	823	12.30	0.095	0.067	0.0073	0.147	0.144	0.019
302	824	12.30	0.097	0.069	0.0073	0.147	0.146	0.019
302	825	12.30	0.097	0.069	0.0072	0.146	0.144	0.019
302	826	12.40	0.099	0.071	0.0071	0.144	0.142	0.019
302	827	12.50	0.099	0.071	0.0070	0.144	0.142	0.019
302	828	12.50	0.097	0.069	0.0069	0.144	0.142	0.015
302	829	12.50	0.097	0.069	0.0072	0.144	0.144	0.019
302	830	12.60	0.097	0.069	0.0073	0.147	0.144	0.015
302	831	12.60	0.098	0.071	0.0076	0.152	0.148	0.015
302	832	12.50	0.100	0.072	0.0080	0.159	0.155	0.015
302	833	12.60	0.102	0.074	0.0084	0.165	0.162	0.015
302	834	12.60	0.104	0.076	0.0089	0.176	0.170	0.019
302	835	12.60	0.108	0.079	0.0094	0.185	0.179	0.015
302	836	12.60	0.110	0.081	0.0101	0.198	0.190	0.019
302	837	12.60	0.116	0.087	0.0107	0.215	0.208	0.024
302	838	12.60	0.120	0.090	0.0109	0.226	0.217	0.029
302	839	12.60	0.126	0.096	0.0110	0.226	0.217	0.029
302	840	12.60	0.130	0.100	0.0108	0.218	0.210	0.024
302	841	12.60	0.132	0.101	0.0108	0.220	0.212	0.029

RTI SUNLIGHT INTENSITY STUDY: USEPA CONTRACT NO. 68-02-2258 LUNAR DATE: 10-29-75 JULIAN DATE: 75302

JULIAN DATE	TIME (EST)	TEMP (°C)	NDB (PPM)	K1B (1/MIN)	UV (LANGLEYS/MIN)	TSR (LANGLEYS/MIN)	395 (LANGLEYS/MIN)	VIP (LANGLEYS/MIN)
302	842	12.70	0.130	0.100	0.0109	0.218	0.210	0.024
302	843	12.80	0.132	0.101	0.0112	0.224	0.215	0.034
302	844	12.80	0.132	0.101	0.0115	0.230	0.221	0.024
302	845	12.80	0.134	0.103	0.0121	0.244	0.235	0.029
302	846	12.90	0.138	0.107	0.0127	0.259	0.248	0.034
302	847	12.90	0.142	0.111	0.0132	0.268	0.257	0.034
302	848	12.90	0.146	0.115	0.0132	0.265	0.254	0.019
302	849	13.00	0.148	0.117	0.0135	0.269	0.259	0.024
302	850	13.00	0.150	0.119	0.0144	0.308	0.296	0.078
302	851	13.00	0.152	0.121	0.0147	0.319	0.305	0.083
302	852	13.00	0.158	0.128	0.0151	0.308	0.296	0.044
302	853	13.20	0.162	0.132	0.0154	0.311	0.299	0.034
302	854	13.10	0.162	0.132	0.0152	0.302	0.290	0.019
302	855	13.10	0.164	0.134	0.0151	0.301	0.288	0.024
302	856	13.30	0.162	0.132	0.0151	0.305	0.292	0.034
302	857	13.30	0.164	0.134	0.0154	0.325	0.312	0.073
302	858	13.30	0.166	0.136	0.0151	0.316	0.303	0.058
302	859	13.40	0.170	0.140	0.0160	0.365	0.352	0.146
302	900	13.40	0.172	0.143	0.0163	0.383	0.369	0.185
302	901	13.40	0.180	0.152	0.0153	0.329	0.316	0.107
302	902	13.50	0.182	0.154	0.0145	0.281	0.268	0.024
302	903	13.50	0.174	0.145	0.0145	0.278	0.265	0.019
302	904	13.60	0.164	0.134	0.0151	0.296	0.283	0.044
302	905	13.60	0.160	0.130	0.0155	0.305	0.290	0.049
302	906	13.80	0.162	0.132	0.0154	0.292	0.279	0.024
302	907	13.80	0.164	0.134	0.0158	0.296	0.283	0.024
302	908	13.80	0.164	0.134	0.0164	0.305	0.292	0.019
302	909	13.80	0.166	0.136	0.0173	0.325	0.310	0.024
302	910	13.80	0.174	0.145	0.0185	0.355	0.336	0.049
302	911	13.80	0.182	0.154	0.0200	0.421	0.403	0.151
302	912	13.90	0.196	0.170	0.0199	0.415	0.396	0.141
302	913	13.90	0.200	0.175	0.0188	0.388	0.369	0.131
302	914	14.00	0.194	0.168	0.0170	0.310	0.296	0.024
302	915	14.00	0.184	0.156	0.0167	0.304	0.290	0.024
302	916	14.00	0.178	0.149	0.0174	0.320	0.305	0.034
302	917	14.10	0.178	0.149	0.0188	0.370	0.352	0.092
302	918	14.10	0.186	0.158	0.0194	0.379	0.361	0.087
302	919	14.20	0.194	0.168	0.0207	0.408	0.387	0.112
302	920	14.30	0.200	0.175	0.0225	0.430	0.409	0.092
302	921	14.30	0.209	0.187	0.0255	0.547	0.520	0.262
302	922	14.30	0.229	0.214	0.0268	0.591	0.564	0.335
302	923	14.30	0.243	0.233	0.0274	0.630	0.602	0.403
302	924	14.50	0.251	0.245	0.0253	0.526	0.500	0.233
302	925	14.50	0.245	0.236	0.0257	0.555	0.529	0.296
302	942	15.80	0.221	0.203	0.0272	0.591	0.562	0.267
302	943	15.80	0.239	0.228	0.0276	0.611	0.582	0.306
302	944	15.90	0.249	0.242	0.0254	0.528	0.502	0.199
302	945	15.90	0.245	0.237	0.0236	0.465	0.440	0.126
302	946	16.10	0.229	0.214	0.0240	0.489	0.467	0.170
302	947	16.10	0.225	0.209	0.0232	0.459	0.438	0.136
302	948	16.10	0.221	0.203	0.0218	0.395	0.376	0.044
302	949	16.20	0.211	0.190	0.0211	0.377	0.358	0.029

RTI SUNLIGHT INTENSITY STUDY: USEPA CONTRACT NO. 68-02-2258 LUNAR DATE: 10-29-75 JULIAN DATE: 75302

JULIAN DATE	TIME (EST)	TEMP (°C)	NOB (PPM)	K1B (1/MIN)	UV (LANGLEYS/MIN)	TSR (LANGLEYS/MIN)	395 (LANGLEYS/MIN)	NIP (LANGLEYS/MIN)
302	950	16.30	0.203	0.180	0.0208	0.371	0.352	0.024
302	951	16.40	0.197	0.173	0.0202	0.361	0.343	0.024
302	952	16.40	0.193	0.168	0.0197	0.349	0.332	0.019
302	953	16.40	0.191	0.166	0.0196	0.346	0.330	0.019
302	954	16.40	0.189	0.164	0.0195	0.344	0.327	0.015
302	955	16.50	0.189	0.164	0.0196	0.350	0.332	0.029
302	956	16.50	0.187	0.161	0.0192	0.341	0.325	0.019
302	957	16.50	0.189	0.164	0.0191	0.337	0.319	0.019
302	958	16.60	0.187	0.161	0.0193	0.343	0.323	0.029
302	959	16.60	0.187	0.161	0.0194	0.356	0.338	0.053
302	1000	16.60	0.193	0.168	0.0196	0.364	0.347	0.063
302	1001	16.70	0.193	0.168	0.0197	0.350	0.330	0.015
302	1002	16.70	0.191	0.166	0.0216	0.423	0.400	0.097
302	1003	16.70	0.199	0.176	0.0204	0.374	0.354	0.034
302	1004	16.70	0.201	0.178	0.0197	0.350	0.332	0.015
302	1005	16.80	0.195	0.171	0.0198	0.347	0.330	0.019
302	1006	16.90	0.191	0.166	0.0200	0.352	0.332	0.019
302	1007	16.90	0.193	0.168	0.0209	0.379	0.358	0.044
302	1008	17.00	0.195	0.171	0.0216	0.408	0.387	0.078
302	1009	17.00	0.201	0.178	0.0212	0.385	0.365	0.039
302	1010	17.00	0.203	0.181	0.0211	0.379	0.358	0.034
302	1011	17.10	0.201	0.178	0.0207	0.365	0.347	0.029
302	1012	17.10	0.199	0.176	0.0205	0.359	0.338	0.024
302	1013	17.10	0.195	0.171	0.0206	0.361	0.341	0.024
302	1014	17.10	0.193	0.168	0.0208	0.365	0.345	0.019
302	1015	17.10	0.195	0.171	0.0211	0.371	0.352	0.019
302	1016	17.10	0.195	0.171	0.0219	0.394	0.374	0.034
302	1017	17.10	0.201	0.178	0.0254	0.519	0.493	0.180
302	1018	17.30	0.213	0.193	0.0235	0.435	0.414	0.053
302	1019	17.40	0.221	0.204	0.0221	0.392	0.374	0.024
302	1020	17.40	0.209	0.188	0.0216	0.388	0.367	0.039
302	1021	17.50	0.203	0.181	0.0204	0.356	0.338	0.010
302	1022	17.50	0.197	0.173	0.0203	0.356	0.336	0.015
302	1023	17.50	0.195	0.171	0.0213	0.395	0.374	0.053
302	1024	17.60	0.199	0.176	0.0219	0.403	0.383	0.044
302	1025	17.60	0.203	0.181	0.0227	0.420	0.396	0.049
302	1026	17.60	0.207	0.186	0.0227	0.412	0.389	0.029
302	1027	17.60	0.211	0.191	0.0239	0.444	0.418	0.053
302	1028	17.60	0.215	0.196	0.0265	0.514	0.487	0.112
302	1029	17.70	0.227	0.212	0.0266	0.517	0.489	0.117
302	1030	17.80	0.233	0.220	0.0246	0.439	0.416	0.024
302	1031	17.80	0.225	0.209	0.0245	0.436	0.412	0.019
302	1032	17.40	0.219	0.201	0.0245	0.436	0.412	0.034
302	1033	17.90	0.217	0.198	0.0241	0.427	0.403	0.029
302	1034	17.90	0.215	0.196	0.0249	0.451	0.425	0.053
302	1035	18.00	0.219	0.201	0.0263	0.496	0.471	0.102
302	1036	18.10	0.227	0.212	0.0284	0.559	0.531	0.165
302	1037	18.10	0.237	0.226	0.0304	0.648	0.615	0.301
302	1038	18.10	0.251	0.246	0.0287	0.597	0.564	0.253
302	1039	18.20	0.257	0.255	0.0270	0.535	0.509	0.185
302	1040	18.30	0.247	0.240	0.0291	0.639	0.606	0.340
302	1041	18.40	0.255	0.252	0.0249	0.456	0.431	0.078

RTI SUNLIGHT INTENSITY STUDY: USEPA CONTRACT NO. 68-02-2258 LUNAR DATE: 10-29-75 JULIAN DATE: 75302

JULIAN DATE	TIME (EST)	TEMP (°C)	NOB (PPM)	K1B (1/MIN)	UV (LANGLEYS/MIN)	TSR (LANGLEYS/MIN)	395 (LANGLEYS/MIN)	NIP (LANGLEYS/MIN)
302	1042	18.60	0.241	0.231	0.0250	0.456	0.431	0.073
302	1043	18.60	0.229	0.215	0.0268	0.516	0.489	0.151
302	1044	18.60	0.227	0.212	0.0245	0.426	0.400	0.029
302	1045	18.50	0.223	0.207	0.0235	0.400	0.376	0.019
302	1046	18.60	0.217	0.199	0.0229	0.388	0.365	0.019
302	1047	18.60	0.211	0.191	0.0229	0.389	0.367	0.019
302	1048	18.50	0.209	0.188	0.0238	0.412	0.389	0.029
302	1049	18.60	0.213	0.193	0.0255	0.456	0.429	0.058
302	1050	18.60	0.219	0.201	0.0300	0.597	0.566	0.214
302	1051	18.60	0.231	0.217	0.0310	0.600	0.566	0.180
302	1052	18.80	0.259	0.258	0.0314	0.612	0.580	0.209
302	1053	18.90	0.259	0.258	0.0298	0.561	0.529	0.160
302	1054	18.90	0.259	0.258	0.0284	0.508	0.480	0.112
302	1055	18.90	0.251	0.246	0.0268	0.468	0.440	0.087
302	1056	18.80	0.247	0.240	0.0251	0.423	0.398	0.068
302	1057	18.90	0.235	0.223	0.0238	0.383	0.361	0.034
302	1058	19.00	0.225	0.209	0.0249	0.423	0.398	0.078
302	1059	19.00	0.227	0.212	0.0284	0.573	0.542	0.287
302	1100	19.00	0.227	0.212	0.0228	0.368	0.347	0.029
302	1101	19.00	0.227	0.212	0.0219	0.350	0.330	0.019
302	1102	18.90	0.211	0.191	0.0219	0.358	0.336	0.015
302	1103	19.00	0.205	0.183	0.0231	0.388	0.363	0.024
302	1104	19.00	0.205	0.183	0.0256	0.301	0.423	0.068
302	1105	19.00	0.213	0.193	0.0265	0.463	0.436	0.063
302	1106	19.00	0.221	0.204	0.0280	0.505	0.476	0.087
302	1107	19.10	0.227	0.212	0.0301	0.565	0.533	0.160
302	1108	19.20	0.243	0.234	0.0311	0.592	0.558	0.190
302	1109	19.30	0.251	0.246	0.0306	0.565	0.533	0.165
302	1110	19.40	0.257	0.255	0.0316	0.623	0.586	0.248
302	1111	19.50	0.259	0.258	0.0308	0.589	0.555	0.219
302	1112	19.40	0.257	0.255	0.0289	0.519	0.489	0.131
302	1113	19.40	0.251	0.246	0.0270	0.462	0.434	0.073
302	1114	19.40	0.239	0.229	0.0259	0.432	0.405	0.039
302	1115	19.50	0.229	0.215	0.0266	0.453	0.425	0.049
302	1116	19.50	0.227	0.212	0.0294	0.540	0.507	0.117
302	1117	19.60	0.235	0.223	0.0325	0.614	0.577	0.180
302	1118	19.80	0.249	0.243	0.0412	0.958	0.903	0.632
302	1119	19.80	0.272	0.280	0.0382	0.811	0.763	0.418
302	1120	19.80	0.290	0.311	0.0338	0.659	0.622	0.233
302	1121	19.90	0.288	0.307	0.0307	0.546	0.513	0.087
302	1122	19.90	0.268	0.274	0.0298	0.528	0.498	0.063
302	1123	19.90	0.254	0.252	0.0335	0.645	0.608	0.155
302	1124	19.90	0.264	0.268	0.0348	0.723	0.684	0.272
302	1125	20.10	0.270	0.277	0.0351	0.749	0.706	0.326
302	1126	20.20	0.272	0.280	0.0325	0.621	0.584	0.126
302	1127	20.40	0.266	0.271	0.0423	1.003	0.949	0.583
302	1128	20.50	0.282	0.297	0.0420	0.967	0.914	0.500
302	1129	20.60	0.308	0.344	0.0444	1.068	1.013	0.661
302	1130	20.60	0.314	0.355	0.0340	0.675	0.639	0.185
302	1132	20.50	0.274	0.284	0.0313	0.586	0.551	0.102
302	1133	20.40	0.252	0.249	0.0321	0.621	0.584	0.136
302	1134	20.30	0.258	0.258	0.0335	0.672	0.635	0.258

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JULIAN DATE	TIME (EST)	TEMP (°C)	NOB (PPM)	K1B (1/MIN)	UV (LANGLEYS/MIN)	TSR (LANGLEYS/MIN)	395 (LANGLEYS/MIN)	NIP (LANGLEYS/MIN)
302	1135	20.30	0.252	0.249	0.0410	0.923	0.874	0.486
302	1136	20.50	0.284	0.300	0.0371	0.758	0.712	0.238
302	1137	20.80	0.298	0.325	0.0378	0.802	0.754	0.321
302	1138	21.00	0.288	0.308	0.0341	0.704	0.668	0.287
302	1139	21.10	0.280	0.294	0.0265	0.465	0.440	0.063
302	1140	21.10	0.260	0.262	0.0238	0.392	0.369	0.024
302	1141	21.10	0.231	0.218	0.0235	0.394	0.372	0.029
302	1142	21.00	0.215	0.196	0.0255	0.456	0.429	0.078
302	1143	21.00	0.217	0.199	0.0284	0.550	0.518	0.155
302	1144	21.00	0.227	0.212	0.0284	0.525	0.493	0.087
302	1145	21.00	0.235	0.223	0.0287	0.532	0.500	0.078
302	1146	21.00	0.238	0.229	0.0280	0.507	0.476	0.058
302	1147	21.00	0.236	0.226	0.0276	0.492	0.462	0.053
302	1148	21.00	0.233	0.221	0.0279	0.501	0.471	0.063
302	1149	21.10	0.234	0.223	0.0294	0.564	0.531	0.146
302	1150	21.20	0.238	0.229	0.0266	0.475	0.447	0.058
302	1151	21.20	0.238	0.229	0.0253	0.441	0.416	0.039
302	1152	21.20	0.229	0.215	0.0243	0.414	0.389	0.024
302	1153	21.20	0.221	0.204	0.0239	0.405	0.381	0.029
302	1154	21.40	0.215	0.197	0.0235	0.394	0.372	0.015
302	1155	21.40	0.213	0.194	0.0238	0.405	0.378	0.019
302	1156	21.40	0.211	0.191	0.0275	0.538	0.504	0.175
302	1157	21.40	0.217	0.199	0.0247	0.420	0.394	0.019
302	1158	21.50	0.223	0.207	0.0236	0.392	0.367	0.010
302	1159	21.50	0.217	0.199	0.0237	0.402	0.376	0.039
302	1200	21.50	0.211	0.191	0.0251	0.445	0.418	0.063
302	1201	21.50	0.213	0.194	0.0289	0.559	0.527	0.170
302	1202	21.50	0.223	0.207	0.0294	0.565	0.531	0.146
302	1203	21.50	0.246	0.241	0.0295	0.570	0.535	0.136
302	1204	21.50	0.242	0.235	0.0291	0.550	0.518	0.107
302	1205	21.50	0.244	0.238	0.0276	0.496	0.467	0.039
302	1206	21.50	0.240	0.232	0.0278	0.501	0.469	0.044
302	1207	21.50	0.238	0.229	0.0298	0.564	0.531	0.102
302	1208	21.60	0.236	0.226	0.0349	0.728	0.686	0.262
302	1209	21.70	0.254	0.252	0.0357	0.740	0.697	0.258
302	1210	21.70	0.270	0.277	0.0350	0.726	0.684	0.253
302	1211	21.80	0.276	0.287	0.0318	0.609	0.575	0.121
302	1212	21.90	0.268	0.274	0.0308	0.577	0.546	0.087
302	1213	21.80	0.258	0.259	0.0310	0.585	0.553	0.102
302	1214	21.80	0.252	0.249	0.0327	0.653	0.617	0.185
302	1215	21.90	0.254	0.253	0.0341	0.696	0.657	0.243
302	1216	22.00	0.262	0.265	0.0338	0.690	0.650	0.248
302	1217	21.90	0.268	0.274	0.0325	0.642	0.606	0.209
302	1218	21.90	0.268	0.274	0.0295	0.550	0.518	0.136
302	1219	22.00	0.260	0.262	0.0273	0.496	0.469	0.112
302	1220	22.10	0.244	0.238	0.0240	0.397	0.374	0.024
302	1221	22.20	0.230	0.218	0.0226	0.367	0.345	0.019
302	1222	22.10	0.216	0.199	0.0213	0.340	0.321	0.015
302	1223	22.20	0.207	0.186	0.0207	0.331	0.312	0.015
302	1224	22.30	0.199	0.176	0.0208	0.335	0.314	0.010
302	1225	22.30	0.193	0.169	0.0216	0.358	0.334	0.010
302	1226	22.20	0.195	0.172	0.0246	0.445	0.418	0.058

RTI SUNLIGHT INTENSITY STUDY: USEPA CONTRACT NO. 68-02-2258 LUNAR DATE: 10-29-75 JULIAN DATE: 75302

JULIAN DATE	TIME (EST)	TEMP (°C)	NOB (PPM)	K1B (1/MIN)	UV (LANGLEYS/MIN)	TSR (LANGLEYS/MIN)	395 (LANGLEYS/MIN)	NIP (LANGLEYS/MIN)
302	1227	22.30	0.201	0.179	0.0273	0.510	0.478	0.073
302	1228	22.40	0.218	0.202	0.0322	0.659	0.619	0.224
302	1229	22.40	0.232	0.221	0.0365	0.797	0.750	0.364
302	1230	22.50	0.258	0.259	0.0350	0.725	0.681	0.262
302	1231	22.70	0.274	0.284	0.0342	0.689	0.646	0.204
302	1232	22.80	0.276	0.287	0.0330	0.665	0.624	0.219
302	1233	22.70	0.272	0.281	0.0316	0.635	0.597	0.219
302	1234	22.60	0.266	0.271	0.0268	0.472	0.445	0.058
302	1235	22.60	0.256	0.256	0.0244	0.414	0.389	0.029
302	1236	22.50	0.236	0.226	0.0246	0.436	0.412	0.068
302	1237	22.50	0.220	0.204	0.0242	0.423	0.398	0.039
302	1238	22.50	0.216	0.199	0.0257	0.483	0.454	0.107
302	1239	22.50	0.214	0.197	0.0263	0.489	0.458	0.083
302	1240	22.60	0.226	0.213	0.0270	0.511	0.480	0.107
302	1241	22.60	0.228	0.215	0.0254	0.447	0.420	0.034
302	1242	22.50	0.228	0.215	0.0244	0.420	0.396	0.024
302	1243	22.50	0.220	0.204	0.0242	0.420	0.396	0.024
302	1244	22.50	0.214	0.197	0.0247	0.441	0.414	0.049
302	1245	22.50	0.212	0.194	0.0241	0.417	0.392	0.024
302	1246	22.50	0.214	0.197	0.0238	0.409	0.385	0.019
302	1247	22.60	0.214	0.197	0.0237	0.409	0.385	0.029
302	1248	22.50	0.212	0.194	0.0232	0.398	0.374	0.024
302	1249	22.50	0.208	0.189	0.0237	0.415	0.392	0.034
302	1250	22.60	0.208	0.189	0.0262	0.501	0.471	0.117
302	1251	22.50	0.216	0.199	0.0281	0.558	0.524	0.170
302	1252	22.60	0.228	0.215	0.0298	0.595	0.560	0.185
302	1253	22.70	0.238	0.229	0.0313	0.635	0.595	0.219
302	1254	22.80	0.246	0.241	0.0323	0.642	0.604	0.199
302	1255	22.80	0.254	0.253	0.0354	0.747	0.704	0.335
302	1256	22.80	0.264	0.268	0.0345	0.720	0.679	0.321
302	1257	22.90	0.274	0.284	0.0314	0.605	0.571	0.199
302	1258	23.00	0.272	0.281	0.0309	0.623	0.586	0.258
302	1259	23.00	0.262	0.265	0.0263	0.466	0.438	0.083
302	1300	22.90	0.256	0.253	0.0243	0.417	0.392	0.053
302	1301	22.90	0.220	0.204	0.0261	0.495	0.467	0.155
302	1302	22.90	0.222	0.207	0.0238	0.405	0.381	0.044
302	1303	22.80	0.214	0.197	0.0227	0.376	0.352	0.029
302	1304	22.80	0.206	0.186	0.0221	0.362	0.341	0.024
302	1305	22.80	0.200	0.179	0.0217	0.356	0.334	0.019
302	1306	22.80	0.198	0.176	0.0218	0.364	0.341	0.024
302	1307	22.70	0.200	0.179	0.0233	0.423	0.396	0.092
302	1308	22.70	0.204	0.184	0.0224	0.377	0.354	0.015
302	1309	22.50	0.202	0.181	0.0227	0.383	0.361	0.015
302	1310	22.50	0.206	0.186	0.0238	0.411	0.385	0.024
302	1311	22.50	0.214	0.196	0.0291	0.602	0.564	0.243
302	1312	22.60	0.236	0.226	0.0312	0.669	0.628	0.326
302	1313	22.70	0.248	0.243	0.0291	0.568	0.535	0.180
302	1314	22.70	0.242	0.235	0.0263	0.465	0.436	0.063
302	1315	22.60	0.232	0.221	0.0247	0.420	0.396	0.029
302	1316	22.60	0.218	0.202	0.0238	0.405	0.381	0.039
302	1317	22.60	0.212	0.194	0.0229	0.391	0.367	0.039
302	1318	22.50	0.206	0.186	0.0219	0.370	0.350	0.029

RTI SUNLIGHT INTENSITY STUDY: USEPA CONTRACT NO. 68-02-2258 LUNAR DATE: 10-29-75 JULIAN DATE: 75302

JULIAN DATE	TIME (EST)	TEMP (°C)	NOB (PPM)	K1B (1/MIN)	UV (LANGLEYS/MIN)	TSR (LANGLEYS/MIN)	395 (LANGLEYS/MIN)	VIP (LANGLEYS/MIN)
302	1319	22.50	0.196	0.174	0.0215	0.359	0.338	0.024
302	1320	22.50	0.196	0.174	0.0215	0.362	0.343	0.024
302	1321	22.60	0.196	0.174	0.0217	0.370	0.350	0.015
302	1322	22.50	0.196	0.174	0.0220	0.379	0.356	0.015
302	1323	22.60	0.198	0.176	0.0224	0.391	0.367	0.019
302	1324	22.50	0.202	0.181	0.0229	0.403	0.381	0.024
302	1439	22.70	0.186	0.161	0.0183	0.344	0.327	0.044
302	1440	22.80	0.184	0.159	0.0178	0.325	0.308	0.024
302	1441	22.60	0.182	0.157	0.0172	0.304	0.288	0.019
302	1442	22.60	0.176	0.150	0.0165	0.284	0.270	0.015
302	1443	22.60	0.172	0.145	0.0158	0.268	0.252	0.015
302	1444	22.60	0.166	0.139	0.0150	0.251	0.239	0.015
302	1445	22.50	0.162	0.134	0.0143	0.239	0.228	0.015
302	1446	22.40	0.158	0.130	0.0137	0.227	0.215	0.015
302	1447	22.40	0.152	0.124	0.0133	0.220	0.208	0.015
302	1448	22.40	0.148	0.120	0.0130	0.215	0.204	0.010
302	1449	22.40	0.146	0.118	0.0130	0.221	0.210	0.015
302	1450	22.40	0.144	0.116	0.0134	0.233	0.221	0.010
302	1451	22.40	0.144	0.116	0.0138	0.245	0.235	0.015
302	1452	22.40	0.146	0.118	0.0141	0.251	0.241	0.019
302	1453	22.40	0.150	0.122	0.0141	0.251	0.239	0.015
302	1454	22.40	0.148	0.120	0.0137	0.241	0.230	0.015
302	1455	22.40	0.148	0.120	0.0132	0.229	0.219	0.015
302	1456	22.40	0.146	0.118	0.0125	0.214	0.204	0.010
302	1457	22.40	0.142	0.114	0.0119	0.200	0.192	0.010
302	1458	22.40	0.140	0.112	0.0113	0.189	0.181	0.010
302	1459	22.40	0.134	0.106	0.0110	0.179	0.170	0.010
302	1500	22.40	0.130	0.102	0.0106	0.170	0.162	0.015
302	1501	22.40	0.126	0.098	0.0102	0.165	0.157	0.0
302	1502	22.30	0.124	0.096	0.0100	0.161	0.153	0.019
302	1503	22.00	0.120	0.092	0.0099	0.158	0.150	0.019
302	1504	21.90	0.118	0.090	0.0098	0.159	0.150	0.015
302	1505	21.70	0.118	0.090	0.0099	0.165	0.157	0.019
302	1506	21.60	0.118	0.090	0.0101	0.170	0.164	0.015
302	1507	21.50	0.120	0.092	0.0105	0.180	0.173	0.019
302	1508	21.60	0.122	0.094	0.0108	0.191	0.181	0.015
302	1509	21.70	0.124	0.096	0.0111	0.200	0.190	0.015
302	1510	21.90	0.128	0.100	0.0114	0.208	0.199	0.019
302	1511	21.90	0.130	0.102	0.0116	0.217	0.206	0.015
302	1512	22.00	0.134	0.105	0.0118	0.226	0.215	0.019
302	1513	22.10	0.136	0.107	0.0121	0.235	0.223	0.019
302	1514	22.10	0.140	0.111	0.0125	0.242	0.232	0.019
302	1515	22.20	0.142	0.113	0.0125	0.239	0.230	0.015
302	1516	22.20	0.144	0.115	0.0124	0.232	0.221	0.019
302	1517	22.20	0.142	0.113	0.0120	0.220	0.212	0.019
302	1518	22.10	0.140	0.111	0.0113	0.205	0.197	0.015
302	1519	21.90	0.136	0.107	0.0107	0.189	0.181	0.019
302	1520	22.00	0.132	0.103	0.0100	0.173	0.166	0.019
302	1521	21.90	0.126	0.098	0.0094	0.161	0.155	0.019
302	1522	22.00	0.120	0.092	0.0091	0.153	0.148	0.015
302	1523	21.90	0.116	0.088	0.0088	0.149	0.144	0.019
302	1524	21.80	0.112	0.085	0.0088	0.153	0.148	0.015

RTI SUNLIGHT INTENSITY STUDY: USEPA CONTRACT NO. 68-02-2258 LUNAR DATE: 10-29-75 JULIAN DATE: 75302

JULIAN DATE	TIME (EST)	TEMP (°C)	NDB (PPM)	K1B (1/MIN)	UV (LANGLEYS/MIN)	TSR (LANGLEYS/MIN)	395 (LANGLEYS/MIN)	NIP (LANGLEYS/MIN)
302	1525	21.60	0.110	0.083	0.0090	0.162	0.155	0.019
302	1526	21.50	0.108	0.081	0.0091	0.171	0.164	0.019
302	1527	21.50	0.110	0.083	0.0094	0.180	0.173	0.019
302	1528	21.40	0.112	0.085	0.0097	0.191	0.184	0.019
302	1529	21.40	0.114	0.086	0.0102	0.203	0.192	0.024
302	1530	21.40	0.116	0.090	0.0105	0.206	0.197	0.024
302	1531	21.30	0.120	0.092	0.0106	0.205	0.197	0.024
302	1532	21.30	0.122	0.094	0.0105	0.203	0.195	0.019
302	1533	21.40	0.122	0.094	0.0102	0.194	0.186	0.019
302	1534	21.30	0.122	0.094	0.0099	0.186	0.179	0.019
302	1535	21.30	0.122	0.094	0.0095	0.176	0.168	0.019
302	1536	21.30	0.116	0.090	0.0091	0.176	0.168	0.034
302	1537	21.40	0.116	0.088	0.0088	0.167	0.159	0.024
302	1538	21.50	0.112	0.084	0.0085	0.159	0.153	0.015
302	1539	21.60	0.110	0.083	0.0083	0.158	0.150	0.015
302	1540	21.70	0.108	0.081	0.0083	0.159	0.155	0.015
302	1541	21.70	0.106	0.079	0.0083	0.161	0.155	0.019
302	1542	21.70	0.106	0.079	0.0082	0.158	0.153	0.015
302	1543	21.70	0.106	0.079	0.0082	0.156	0.150	0.015
302	1544	21.70	0.104	0.077	0.0080	0.152	0.146	0.015
302	1545	21.50	0.104	0.077	0.0080	0.149	0.144	0.019
302	1546	21.40	0.104	0.077	0.0078	0.146	0.139	0.015
302	1547	21.50	0.104	0.077	0.0077	0.141	0.137	0.019
302	1548	21.50	0.102	0.075	0.0075	0.137	0.133	0.015
302	1549	21.60	0.100	0.074	0.0074	0.134	0.128	0.015
302	1550	21.50	0.100	0.074	0.0072	0.128	0.124	0.015
302	1551	21.40	0.100	0.074	0.0069	0.122	0.117	0.015
302	1552	21.30	0.098	0.072	0.0067	0.117	0.113	0.019
302	1553	21.20	0.096	0.070	0.0065	0.117	0.113	0.019
302	1554	21.30	0.090	0.065	0.0064	0.120	0.115	0.019
302	1555	21.30	0.090	0.065	0.0066	0.125	0.119	0.029
302	1556	21.30	0.088	0.063	0.0066	0.126	0.122	0.019
302	1557	21.30	0.090	0.065	0.0067	0.129	0.126	0.019
302	1558	21.30	0.090	0.065	0.0068	0.134	0.128	0.015
302	1559	21.30	0.092	0.067	0.0069	0.138	0.135	0.015
302	1600	21.30	0.092	0.067	0.0071	0.140	0.135	0.019
302	1601	21.30	0.094	0.068	0.0072	0.140	0.135	0.019
302	1602	21.40	0.094	0.068	0.0072	0.138	0.133	0.019
302	1603	21.40	0.094	0.068	0.0070	0.134	0.128	0.019
302	1604	21.30	0.092	0.067	0.0068	0.128	0.126	0.015
302	1605	21.30	0.092	0.067	0.0067	0.123	0.119	0.019
302	1606	21.30	0.090	0.065	0.0064	0.117	0.113	0.015
302	1607	21.20	0.086	0.062	0.0063	0.116	0.111	0.019
302	1608	21.20	0.086	0.062	0.0061	0.111	0.108	0.015
302	1609	21.20	0.086	0.062	0.0060	0.108	0.106	0.019
302	1610	21.10	0.082	0.058	0.0058	0.107	0.104	0.019
302	1611	21.10	0.082	0.058	0.0058	0.107	0.102	0.024
302	1612	21.10	0.080	0.057	0.0056	0.105	0.102	0.019
302	1613	21.00	0.080	0.057	0.0055	0.105	0.102	0.019
302	1614	20.90	0.078	0.055	0.0055	0.107	0.104	0.019
302	1615	20.70	0.078	0.055	0.0055	0.111	0.106	0.019
302	1616	20.50	0.078	0.055	0.0055	0.114	0.111	0.024

HTI SUNLIGHT INTENSITY STUDY: USEPA CONTRACT NO. 68-02-2258 LUNAR DATE: 10-29-75 JULIAN DATE: 75302

JULIAN DATE	TIME (EST)	TEMP (°C)	NOB (PPM)	K1B (1/MIN)	UV (LANGLEYS/MIN)	TSR (LANGLEYS/MIN)	395 (LANGLEYS/MIN)	NIP (LANGLEYS/MIN)
302	1617	20.40	0.078	0.055	0.0056	0.119	0.115	0.034
302	1618	20.30	0.080	0.056	0.0056	0.119	0.115	0.024
302	1619	20.20	0.080	0.056	0.0055	0.119	0.115	0.024
302	1620	20.20	0.080	0.056	0.0054	0.117	0.113	0.024
302	1621	20.30	0.080	0.056	0.0053	0.116	0.113	0.019
302	1622	20.20	0.082	0.058	0.0053	0.117	0.113	0.024
302	1623	20.20	0.080	0.056	0.0053	0.117	0.113	0.024
302	1624	20.20	0.080	0.056	0.0053	0.119	0.115	0.024
302	1625	20.20	0.080	0.056	0.0052	0.119	0.115	0.019
302	1626	20.20	0.076	0.053	0.0051	0.116	0.113	0.019
302	1627	20.20	0.076	0.053	0.0050	0.114	0.108	0.019
302	1628	20.10	0.076	0.053	0.0050	0.111	0.108	0.019
302	1629	20.10	0.074	0.051	0.0049	0.110	0.108	0.019
302	1630	20.10	0.074	0.051	0.0048	0.110	0.106	0.024
302	1631	20.00	0.072	0.050	0.0047	0.108	0.104	0.024
302	1632	20.00	0.072	0.050	0.0047	0.108	0.104	0.034
302	1633	19.90	0.070	0.048	0.0045	0.105	0.102	0.034
302	1634	19.90	0.070	0.048	0.0045	0.104	0.102	0.034
302	1635	19.90	0.070	0.048	0.0043	0.099	0.097	0.024
302	1636	19.80	0.068	0.047	0.0042	0.095	0.093	0.019
302	1637	19.80	0.066	0.045	0.0039	0.089	0.086	0.019
302	1638	19.80	0.064	0.043	0.0038	0.084	0.082	0.019
302	1639	19.70	0.064	0.043	0.0037	0.083	0.080	0.019
302	1640	19.80	0.060	0.040	0.0035	0.083	0.080	0.015
302	1641	19.70	0.060	0.040	0.0034	0.083	0.082	0.015
302	1642	19.80	0.058	0.039	0.0034	0.081	0.080	0.019
302	1643	19.70	0.058	0.039	0.0032	0.075	0.073	0.015
302	1644	19.70	0.056	0.037	0.0031	0.069	0.069	0.019
302	1645	19.60	0.054	0.036	0.0029	0.065	0.064	0.015
302	1646	19.60	0.052	0.034	0.0026	0.059	0.060	0.015
302	1647	19.80	0.050	0.033	0.0025	0.057	0.058	0.019
302	1648	19.80	0.048	0.031	0.0023	0.057	0.058	0.039
302	1649	19.90	0.046	0.030	0.0023	0.060	0.060	0.068
302	1650	19.90	0.046	0.030	0.0021	0.062	0.060	0.073
302	1651	19.90	0.044	0.028	0.0020	0.059	0.058	0.034
302	1652	20.00	0.044	0.028	0.0020	0.062	0.062	0.015
302	1653	19.90	0.042	0.027	0.0019	0.066	0.066	0.019
302	1654	19.80	0.042	0.027	0.0019	0.071	0.071	0.015
302	1655	19.70	0.042	0.027	0.0019	0.077	0.077	0.015
302	1656	19.60	0.042	0.027	0.0019	0.080	0.080	0.019
302	1657	19.60	0.042	0.027	0.0019	0.078	0.080	0.019
302	1658	19.60	0.042	0.027	0.0018	0.074	0.075	0.015
302	1659	19.60	0.040	0.025	0.0018	0.069	0.069	0.015
302	1700	19.50	0.038	0.024	0.0017	0.065	0.066	0.015
302	1701	19.40	0.038	0.024	0.0016	0.060	0.062	0.019
302	1702	19.40	0.036	0.022	0.0015	0.057	0.058	0.019
302	1703	19.30	0.036	0.022	0.0015	0.054	0.055	0.019
302	1704	19.20	0.036	0.022	0.0014	0.053	0.053	0.015
302	1705	19.10	0.034	0.021	0.0013	0.050	0.049	0.015
302	1706	19.10	0.034	0.021	0.0012	0.047	0.049	0.015
302	1707	19.10	0.032	0.019	0.0012	0.044	0.044	0.015
302	1708	19.00	0.032	0.019	0.0011	0.041	0.042	0.015

RTI SUNLIGHT INTENSITY STUDY: USEPA CONTRACT NO. 68-02-2258 LUNAR DATE: 10-29-75 JULIAN DATE: 75302

JULIAN DATE	TIME (EST)	TEMP (°C)	NOB (PPM)	K1B (1/MIN)	UV (LANGLEYS/MIN)	TSR (LANGLEYS/MIN)	395 (LANGLEYS/MIN)	NIP (LANGLEYS/MIN)
302	1709	18.90	0.030	0.018	0.0010	0.038	0.040	0.015
302	1710	18.90	0.028	0.017	0.0010	0.035	0.035	0.015
302	1711	18.80	0.028	0.017	0.0009	0.030	0.031	0.019
302	1712	18.90	0.026	0.015	0.0008	0.027	0.029	0.019
302	1713	18.90	0.026	0.015	0.0007	0.023	0.024	0.015
302	1714	18.80	0.024	0.014	0.0007	0.021	0.022	0.010
302	1715	18.80	0.024	0.014	0.0006	0.020	0.020	0.015
302	1716	18.80	0.024	0.014	0.0005	0.017	0.018	0.015
302	1717	18.70	0.022	0.012	0.0005	0.015	0.015	0.010
302	1718	18.60	0.022	0.012	0.0004	0.012	0.013	0.010
302	1719	18.70	0.020	0.011	0.0004	0.012	0.013	0.015
302	1720	18.70	0.020	0.011	0.0003	0.009	0.011	0.010
302	1721	18.70	0.020	0.011	0.0003	0.009	0.011	0.015
302	1722	18.60	0.018	0.010	0.0002	0.006	0.009	0.010
302	1723	18.60	0.018	0.010	0.0002	0.006	0.009	0.015
302	1724	18.50	0.018	0.010	0.0001	0.005	0.007	0.010
302	1725	18.50	0.016	0.008	0.0001	0.006	0.009	0.015
302	1726	18.40	0.016	0.008	0.0001	0.005	0.004	0.015
302	1727	18.30	0.016	0.008	0.0001	0.003	0.004	0.015
302	1728	18.30	0.014	0.007	0.0001	0.005	0.007	0.015
302	1729	18.30	0.014	0.007	0.0	0.005	0.007	0.015
302	1730	18.20	0.012	0.006	0.0	0.005	0.007	0.015
302	1731	18.20	0.012	0.006	0.0	0.003	0.007	0.015
302	1732	18.30	0.012	0.006	0.0	0.003	0.004	0.015

RTI SUNLIGHT INTENSITY STUDY: USEPA CONTRACT NO. 68-02-2258 LUNAR DATE: 10-30-75 JULIAN DATE: 75303

JULIAN DATE	TIME (EST)	TEMP (°C)	NOB (PPM)	K1B (1/MIN)	UV (LANGLEYS/MIN)	TSR (LANGLEYS/MIN)	395 (LANGLEYS/MIN)	VIP (LANGLEYS/MIN)
303	639	13.00	0.017	0.003	0.0002	0.012	0.013	0.015
303	640	13.00	0.019	0.005	0.0003	0.012	0.015	0.019
303	641	13.00	0.019	0.005	0.0003	0.014	0.015	0.015
303	642	13.10	0.019	0.005	0.0004	0.014	0.018	0.019
303	643	13.10	0.021	0.006	0.0004	0.015	0.018	0.015
303	644	13.10	0.021	0.006	0.0005	0.015	0.015	0.015
303	645	13.10	0.021	0.006	0.0006	0.015	0.018	0.015
303	646	13.10	0.023	0.007	0.0007	0.017	0.020	0.015
303	647	13.00	0.025	0.008	0.0008	0.014	0.018	0.015
303	648	13.10	0.025	0.008	0.0010	0.015	0.018	0.019
303	649	13.00	0.027	0.009	0.0010	0.015	0.018	0.015
303	650	13.00	0.029	0.011	0.0011	0.015	0.018	0.015
303	651	13.00	0.029	0.011	0.0012	0.017	0.018	0.015
303	652	13.00	0.031	0.012	0.0013	0.017	0.018	0.015
303	653	12.90	0.033	0.013	0.0015	0.018	0.018	0.015
303	654	12.90	0.033	0.013	0.0015	0.020	0.022	0.015
303	655	12.90	0.035	0.014	0.0017	0.023	0.024	0.015
303	656	12.90	0.037	0.016	0.0018	0.026	0.027	0.015
303	657	12.80	0.039	0.017	0.0019	0.027	0.029	0.015
303	658	12.80	0.040	0.018	0.0020	0.027	0.029	0.015
303	659	12.80	0.042	0.020	0.0020	0.029	0.029	0.019
303	700	12.80	0.042	0.020	0.0022	0.029	0.031	0.015
303	701	12.80	0.044	0.021	0.0023	0.029	0.031	0.015
303	702	12.70	0.044	0.021	0.0024	0.029	0.029	0.019
303	703	12.60	0.046	0.022	0.0025	0.029	0.029	0.015
303	704	12.60	0.046	0.022	0.0026	0.029	0.029	0.019
303	705	12.60	0.046	0.022	0.0027	0.030	0.031	0.019
303	706	12.60	0.048	0.023	0.0028	0.030	0.031	0.015
303	707	12.60	0.050	0.025	0.0029	0.033	0.033	0.015
303	708	12.60	0.050	0.025	0.0030	0.041	0.042	0.019
303	709	12.60	0.052	0.026	0.0030	0.050	0.051	0.015
303	710	12.60	0.052	0.026	0.0031	0.056	0.055	0.019
303	711	12.60	0.054	0.027	0.0034	0.063	0.064	0.019
303	712	12.60	0.056	0.029	0.0035	0.068	0.066	0.019
303	713	12.60	0.058	0.030	0.0037	0.068	0.066	0.019
303	714	12.60	0.060	0.031	0.0038	0.066	0.066	0.019
303	715	12.60	0.062	0.033	0.0039	0.068	0.066	0.029
303	716	12.60	0.064	0.034	0.0040	0.075	0.075	0.039
303	717	12.60	0.066	0.036	0.0042	0.084	0.082	0.029
303	718	12.60	0.067	0.037	0.0043	0.090	0.088	0.029
303	719	12.60	0.069	0.038	0.0045	0.092	0.091	0.019
303	720	12.60	0.071	0.040	0.0045	0.099	0.097	0.068
303	721	12.60	0.073	0.041	0.0045	0.117	0.117	0.155
303	722	12.60	0.073	0.041	0.0046	0.141	0.139	0.330
303	723	12.60	0.073	0.041	0.0045	0.146	0.146	0.408
303	724	12.60	0.073	0.041	0.0045	0.089	0.088	0.073
303	725	12.60	0.073	0.041	0.0045	0.084	0.084	0.078
303	726	12.60	0.071	0.040	0.0046	0.080	0.077	0.044
303	727	12.70	0.071	0.040	0.0048	0.080	0.080	0.049
303	728	12.60	0.071	0.040	0.0048	0.086	0.082	0.034
303	729	12.60	0.071	0.040	0.0050	0.107	0.104	0.107
303	730	12.60	0.073	0.041	0.0050	0.122	0.119	0.155

RTI SUNLIGHT INTENSITY STUDY: USEPA CONTRACT NO. 68-02-2258 LUNAR DATE: 10-30-75 JULIAN DATE: 75303

JULIAN DATE	TIME (EST)	TEMP (°C)	NUB (PPM)	K1B (1/MIN)	UV (LANGLEYS/MIN)	TSR (LANGLEYS/MIN)	395 (LANGLEYS/MIN)	NIP (LANGLEYS/MIN)
303	731	12.60	0.075	0.043	0.0050	0.135	0.133	0.228
303	732	12.60	0.075	0.043	0.0052	0.162	0.159	0.389
303	733	12.70	0.079	0.045	0.0054	0.168	0.166	0.384
303	734	12.70	0.081	0.047	0.0056	0.134	0.131	0.131
303	735	12.70	0.083	0.048	0.0058	0.177	0.175	0.364
303	736	12.70	0.087	0.051	0.0060	0.153	0.150	0.180
303	737	12.70	0.089	0.053	0.0063	0.144	0.142	0.097
303	738	12.70	0.089	0.053	0.0066	0.141	0.135	0.063
303	739	12.70	0.092	0.056	0.0070	0.134	0.128	0.024
303	740	12.60	0.094	0.057	0.0073	0.132	0.126	0.024
303	741	12.60	0.096	0.059	0.0075	0.129	0.124	0.024
303	742	12.70	0.100	0.062	0.0077	0.123	0.117	0.024
303	743	12.70	0.102	0.063	0.0078	0.140	0.135	0.151
303	744	12.60	0.104	0.065	0.0080	0.110	0.104	0.029
303	745	12.60	0.106	0.066	0.0080	0.108	0.102	0.019
303	746	12.60	0.108	0.068	0.0083	0.114	0.108	0.019
303	747	12.60	0.108	0.068	0.0086	0.140	0.133	0.083
303	748	12.60	0.110	0.069	0.0090	0.253	0.246	0.544
303	749	12.60	0.119	0.077	0.0090	0.220	0.215	0.321
303	750	12.60	0.125	0.082	0.0090	0.206	0.199	0.185
303	751	12.60	0.125	0.082	0.0087	0.186	0.179	0.024
303	752	12.70	0.123	0.081	0.0083	0.194	0.186	0.039
303	753	12.80	0.119	0.077	0.0079	0.174	0.168	0.029
303	754	12.80	0.114	0.073	0.0078	0.159	0.153	0.029
303	755	12.80	0.112	0.071	0.0079	0.153	0.146	0.039
303	756	12.70	0.108	0.068	0.0084	0.251	0.243	0.452
303	757	12.80	0.118	0.076	0.0082	0.146	0.142	0.024
303	758	12.80	0.114	0.073	0.0083	0.149	0.144	0.024
303	759	12.80	0.112	0.071	0.0086	0.156	0.148	0.053
303	800	12.80	0.110	0.069	0.0088	0.149	0.142	0.024
303	801	12.70	0.114	0.073	0.0088	0.149	0.144	0.015
303	802	12.70	0.112	0.071	0.0091	0.159	0.153	0.034
303	803	12.70	0.114	0.073	0.0092	0.156	0.148	0.019
303	804	12.70	0.116	0.074	0.0094	0.155	0.148	0.019
303	805	12.60	0.118	0.076	0.0096	0.156	0.150	0.015
303	806	12.70	0.118	0.076	0.0099	0.158	0.150	0.015
303	807	12.70	0.119	0.077	0.0102	0.183	0.175	0.097
303	808	12.60	0.125	0.082	0.0103	0.156	0.150	0.019
303	809	12.60	0.123	0.081	0.0104	0.159	0.150	0.015
303	810	12.60	0.125	0.082	0.0106	0.161	0.153	0.019
303	811	12.60	0.125	0.082	0.0108	0.165	0.157	0.019
303	812	12.60	0.127	0.084	0.0111	0.174	0.164	0.019
303	813	12.60	0.129	0.086	0.0114	0.186	0.175	0.024
303	814	12.60	0.133	0.089	0.0118	0.205	0.195	0.053
303	815	12.60	0.139	0.094	0.0124	0.245	0.232	0.136
303	816	12.60	0.146	0.101	0.0126	0.266	0.254	0.155
303	817	12.60	0.152	0.106	0.0123	0.230	0.219	0.024
303	818	12.70	0.150	0.105	0.0123	0.226	0.217	0.015
303	819	12.70	0.148	0.103	0.0124	0.227	0.217	0.024
303	820	12.60	0.148	0.103	0.0124	0.227	0.217	0.019
303	821	12.70	0.148	0.103	0.0126	0.230	0.217	0.039
303	822	12.70	0.150	0.105	0.0149	0.459	0.445	0.748

HTI SUNLIGHT INTENSITY STUDY: USEPA CONTRACT NO. 68-02-2258 LUNAR DATE: 10-30-75 JULIAN DATE: 75303

JULIAN DATE	TIME (EST)	TEMP (°C)	NOB (PPM)	K1B (1/MIN)	UV (LANGLEYS/MIN)	TSR (LANGLEYS/MIN)	395 (LANGLEYS/MIN)	VIP (LANGLEYS/MIN)
303	823	12.80	0.164	0.117	0.0142	0.346	0.332	0.350
303	824	12.90	0.187	0.140	0.0156	0.490	0.471	0.811
303	825	12.90	0.189	0.142	0.0148	0.373	0.358	0.452
303	826	13.00	0.198	0.153	0.0135	0.221	0.210	0.029
303	827	13.00	0.191	0.144	0.0138	0.223	0.210	0.024
303	828	12.90	0.172	0.125	0.0143	0.229	0.217	0.029
303	829	12.90	0.168	0.121	0.0156	0.323	0.310	0.296
303	830	12.80	0.172	0.125	0.0154	0.266	0.252	0.126
303	831	12.90	0.183	0.136	0.0186	0.547	0.527	0.938
303	832	13.00	0.195	0.149	0.0176	0.430	0.409	0.603
303	833	13.10	0.222	0.179	0.0158	0.239	0.223	0.053
303	834	13.10	0.204	0.159	0.0165	0.293	0.277	0.185
303	835	13.10	0.195	0.149	0.0162	0.248	0.232	0.073
303	836	13.00	0.195	0.149	0.0161	0.233	0.217	0.029
303	837	13.00	0.189	0.142	0.0186	0.409	0.392	0.559
303	838	13.00	0.189	0.142	0.0167	0.260	0.243	0.117
303	839	12.90	0.210	0.165	0.0178	0.350	0.332	0.423
303	840	13.00	0.212	0.168	0.0163	0.214	0.199	0.068
303	841	12.90	0.210	0.165	0.0170	0.226	0.210	0.141
303	842	12.90	0.195	0.149	0.0210	0.531	0.507	0.952
303	843	12.90	0.206	0.161	0.0216	0.558	0.533	1.030
303	844	13.00	0.229	0.188	0.0216	0.540	0.515	0.991
303	845	13.20	0.249	0.212	0.0198	0.373	0.347	0.569
303	846	13.10	0.256	0.222	0.0184	0.232	0.215	0.233
303	847	13.10	0.229	0.188	0.0220	0.514	0.489	0.991
303	848	13.20	0.239	0.200	0.0222	0.513	0.485	0.996
303	849	13.10	0.252	0.217	0.0225	0.528	0.500	1.050
303	850	13.30	0.256	0.222	0.0230	0.540	0.513	1.079
303	851	13.30	0.262	0.230	0.0234	0.546	0.518	1.093
303	852	13.40	0.266	0.235	0.0238	0.553	0.527	1.108
303	853	13.50	0.268	0.238	0.0240	0.558	0.531	1.118
303	854	13.60	0.268	0.238	0.0241	0.559	0.529	1.113
303	855	13.70	0.270	0.241	0.0243	0.564	0.533	1.122
303	856	13.70	0.272	0.243	0.0244	0.562	0.533	1.113
303	857	13.60	0.272	0.243	0.0247	0.570	0.540	1.132
303	858	13.50	0.272	0.243	0.0248	0.570	0.540	1.127
303	859	13.50	0.274	0.246	0.0251	0.577	0.546	1.137
303	900	13.50	0.274	0.246	0.0253	0.579	0.549	1.147
303	901	13.50	0.276	0.249	0.0255	0.583	0.553	1.152
303	902	13.50	0.277	0.251	0.0259	0.591	0.560	1.161
303	903	13.60	0.279	0.254	0.0260	0.592	0.562	1.161
303	904	13.70	0.279	0.254	0.0262	0.597	0.564	1.161
303	905	13.70	0.281	0.257	0.0266	0.605	0.571	1.176
303	906	13.80	0.281	0.257	0.0267	0.605	0.571	1.176
303	907	14.00	0.283	0.260	0.0269	0.611	0.580	1.181
303	908	13.90	0.283	0.260	0.0272	0.615	0.580	1.186
303	909	14.00	0.287	0.266	0.0273	0.617	0.582	1.181
303	910	14.10	0.287	0.266	0.0274	0.620	0.586	1.181
303	911	14.10	0.287	0.266	0.0278	0.626	0.591	1.190
303	912	14.00	0.289	0.269	0.0278	0.627	0.593	1.181
303	913	14.00	0.291	0.271	0.0281	0.632	0.597	1.186
303	914	13.90	0.289	0.269	0.0284	0.636	0.602	1.190

HTI SUNLIGHT INTENSITY STUDY: USEPA CONTRACT NO. 68-02-2258 LUNAR DATE: 10-30-75 JULIAN DATE: 75303

JULIAN DATE	TIME (EST)	TEMP (°C)	NOB (PPM)	K1B (1/MIN)	UV (LANGLEYS/MIN)	TSR (LANGLEYS/MIN)	395 (LANGLEYS/MIN)	VIP (LANGLEYS/MIN)
303	915	14.00	0.287	0.266	0.0284	0.636	0.600	1.181
303	916	14.00	0.285	0.263	0.0287	0.641	0.606	1.190
303	917	14.10	0.287	0.266	0.0290	0.648	0.613	1.200
303	918	14.30	0.289	0.269	0.0289	0.647	0.613	1.186
303	919	14.20	0.291	0.272	0.0292	0.651	0.615	1.190
303	920	14.30	0.291	0.272	0.0295	0.657	0.622	1.200
303	921	14.30	0.293	0.275	0.0296	0.659	0.624	1.200
303	922	14.40	0.293	0.275	0.0298	0.662	0.626	1.200
303	923	14.40	0.293	0.275	0.0300	0.668	0.631	1.205
303	924	14.30	0.293	0.275	0.0302	0.669	0.635	1.205
303	925	14.30	0.293	0.275	0.0304	0.674	0.637	1.215
303	926	14.30	0.295	0.277	0.0306	0.678	0.642	1.220
303	927	14.40	0.295	0.278	0.0308	0.683	0.646	1.224
303	928	14.40	0.297	0.281	0.0311	0.687	0.650	1.224
303	929	14.40	0.297	0.281	0.0313	0.692	0.655	1.224
303	930	14.40	0.299	0.284	0.0314	0.695	0.657	1.224
303	931	14.40	0.301	0.287	0.0316	0.698	0.659	1.224
303	932	14.50	0.299	0.284	0.0318	0.702	0.664	1.224
303	933	14.40	0.299	0.283	0.0320	0.708	0.670	1.229
303	934	14.40	0.301	0.287	0.0322	0.710	0.670	1.234
303	935	14.40	0.299	0.283	0.0325	0.716	0.677	1.239
303	936	14.40	0.297	0.281	0.0325	0.714	0.677	1.234
303	937	14.40	0.299	0.284	0.0326	0.716	0.677	1.234
303	938	14.50	0.299	0.284	0.0329	0.722	0.684	1.239
303	939	14.40	0.299	0.284	0.0333	0.732	0.695	1.259
303	940	14.60	0.301	0.287	0.0336	0.735	0.697	1.263
303	941	14.70	0.303	0.290	0.0338	0.738	0.701	1.263
303	942	14.70	0.303	0.290	0.0340	0.741	0.704	1.268
303	943	14.70	0.304	0.293	0.0341	0.743	0.706	1.263
303	944	14.80	0.304	0.293	0.0343	0.747	0.710	1.263
303	945	14.80	0.304	0.293	0.0343	0.749	0.710	1.259
303	946	14.80	0.306	0.296	0.0346	0.753	0.715	1.268
303	947	14.60	0.306	0.296	0.0348	0.756	0.717	1.268
303	1002	14.60	0.314	0.308	0.0374	0.803	0.761	1.288
303	1003	14.60	0.316	0.312	0.0375	0.803	0.761	1.283
303	1004	14.80	0.316	0.312	0.0376	0.806	0.765	1.288
303	1005	14.90	0.316	0.312	0.0379	0.811	0.770	1.288
303	1006	14.80	0.316	0.312	0.0379	0.811	0.768	1.288
303	1007	14.80	0.314	0.308	0.0381	0.814	0.772	1.288
303	1008	14.80	0.316	0.312	0.0382	0.817	0.774	1.288
303	1009	14.80	0.316	0.312	0.0384	0.820	0.777	1.288
303	1010	14.60	0.316	0.312	0.0385	0.823	0.781	1.293
303	1011	14.80	0.316	0.312	0.0387	0.826	0.783	1.288
303	1012	14.80	0.316	0.312	0.0388	0.829	0.785	1.293
303	1013	14.70	0.318	0.315	0.0392	0.835	0.790	1.297
303	1014	14.90	0.320	0.318	0.0393	0.836	0.792	1.302
303	1015	15.00	0.320	0.318	0.0394	0.839	0.794	1.263
303	1016	15.00	0.320	0.318	0.0395	0.841	0.796	1.302
303	1017	14.90	0.320	0.318	0.0395	0.839	0.794	1.297
303	1018	14.90	0.322	0.322	0.0399	0.848	0.803	1.302
303	1019	15.00	0.322	0.322	0.0399	0.848	0.803	1.302
303	1020	14.80	0.320	0.318	0.0403	0.853	0.808	1.307

RTI SUNLIGHT INTENSITY STUDY: USEPA CONTRACT NO. 68-02-2258 LUNAR DATE: 10-30-75 JULIAN DATE: 75303

JULIAN DATE	TIME (EST)	TEMP (°C)	NOB (PPM)	K1B (1/MIN)	UV (LANGLEYS/MIN)	TSR (LANGLEYS/MIN)	395 (LANGLEYS/MIN)	NIP (LANGLEYS/MIN)
303	1021	14.80	0.324	0.325	0.0401	0.848	0.803	1.297
303	1022	14.80	0.324	0.325	0.0405	0.859	0.812	1.317
303	1023	14.90	0.324	0.325	0.0408	0.865	0.819	1.317
303	1024	14.80	0.322	0.321	0.0408	0.863	0.819	1.312
303	1025	14.60	0.320	0.318	0.0409	0.868	0.821	1.312
303	1026	14.70	0.322	0.321	0.0411	0.869	0.823	1.317
303	1027	14.60	0.320	0.318	0.0411	0.871	0.823	1.317
303	1028	14.80	0.322	0.321	0.0412	0.869	0.823	1.312
303	1029	14.80	0.322	0.321	0.0412	0.872	0.825	1.302
303	1030	15.00	0.322	0.322	0.0414	0.875	0.827	1.307
303	1031	15.20	0.322	0.322	0.0415	0.877	0.827	1.307
303	1032	15.10	0.322	0.322	0.0417	0.883	0.834	1.312
303	1033	15.10	0.322	0.322	0.0420	0.886	0.836	1.317
303	1034	15.10	0.324	0.325	0.0421	0.887	0.838	1.317
303	1035	15.20	0.326	0.328	0.0422	0.889	0.819	1.312
303	1036	15.10	0.326	0.328	0.0424	0.892	0.843	1.317
303	1037	15.20	0.326	0.328	0.0424	0.893	0.843	1.317
303	1038	15.40	0.328	0.332	0.0425	0.895	0.847	1.317
303	1039	15.40	0.326	0.328	0.0425	0.895	0.845	1.317
303	1040	15.40	0.326	0.328	0.0425	0.893	0.845	1.312
303	1041	15.40	0.326	0.328	0.0426	0.898	0.847	1.312
303	1042	15.30	0.326	0.328	0.0429	0.902	0.850	1.312
303	1043	15.50	0.324	0.325	0.0430	0.902	0.850	1.312
303	1044	15.50	0.324	0.325	0.0430	0.902	0.850	1.312
303	1045	15.60	0.324	0.325	0.0431	0.905	0.854	1.312
303	1046	15.60	0.324	0.325	0.0435	0.913	0.863	1.327
303	1047	15.90	0.326	0.329	0.0436	0.917	0.865	1.327
303	1048	15.80	0.328	0.332	0.0435	0.914	0.861	1.317
303	1049	15.70	0.326	0.328	0.0438	0.920	0.867	1.327
303	1050	15.50	0.328	0.332	0.0436	0.916	0.863	1.312
303	1051	15.50	0.328	0.332	0.0434	0.911	0.856	1.302
303	1052	15.60	0.328	0.332	0.0436	0.914	0.861	1.307
303	1053	15.60	0.326	0.328	0.0441	0.923	0.867	1.317
303	1054	15.50	0.330	0.335	0.0437	0.917	0.863	1.302
303	1055	15.50	0.330	0.335	0.0441	0.925	0.869	1.317
303	1056	15.40	0.330	0.335	0.0439	0.922	0.869	1.312
303	1057	15.30	0.331	0.338	0.0443	0.929	0.872	1.317
303	1058	15.40	0.331	0.339	0.0436	0.917	0.863	1.293
303	1059	15.40	0.328	0.332	0.0442	0.928	0.872	1.307
303	1100	15.40	0.328	0.332	0.0443	0.929	0.872	1.312
303	1101	15.40	0.326	0.328	0.0444	0.934	0.876	1.312
303	1102	15.50	0.328	0.332	0.0446	0.937	0.878	1.317
303	1103	15.60	0.328	0.332	0.0445	0.937	0.878	1.322
303	1104	15.50	0.328	0.332	0.0448	0.940	0.883	1.322
303	1105	15.60	0.326	0.328	0.0450	0.944	0.887	1.322
303	1106	15.50	0.328	0.332	0.0446	0.937	0.878	1.312
303	1107	15.40	0.330	0.335	0.0452	0.947	0.889	1.322
303	1108	15.40	0.328	0.332	0.0454	0.952	0.892	1.327
303	1109	15.30	0.330	0.335	0.0454	0.950	0.894	1.327
303	1110	15.40	0.330	0.335	0.0456	0.953	0.894	1.331
303	1111	15.30	0.330	0.335	0.0458	0.958	0.896	1.331
303	1112	15.50	0.331	0.339	0.0457	0.958	0.896	1.327

HTI SUNLIGHT INTENSITY STUDY: USEPA CONTRACT NO. 68-02-2258 LUNAR DATE: 10-30-75 JULIAN DATE: 75303

JULIAN DATE	TIME (EST)	TEMP (°C)	NOB (PPM)	K1B (I/MIN)	UV (LANGLEYS/MIN)	TSR (LANGLEYS/MIN)	395 (LANGLEYS/MIN)	NIP (LANGLEYS/MIN)
303	1113	15.40	0.333	0.342	0.0458	0.961	0.900	1.327
303	1114	15.40	0.333	0.342	0.0459	0.959	0.900	1.331
303	1115	15.50	0.331	0.339	0.0461	0.965	0.903	1.331
303	1116	15.60	0.331	0.339	0.0459	0.962	0.900	1.327
303	1117	15.80	0.331	0.339	0.0459	0.961	0.900	1.322
303	1118	15.80	0.330	0.335	0.0462	0.967	0.905	1.331
303	1119	15.90	0.330	0.335	0.0462	0.965	0.905	1.327
303	1120	15.80	0.331	0.339	0.0461	0.962	0.900	1.327
303	1121	15.80	0.331	0.339	0.0458	0.958	0.898	1.312
303	1122	15.50	0.331	0.339	0.0466	0.973	0.912	1.331
303	1123	15.60	0.330	0.335	0.0458	0.961	0.898	1.312
303	1124	15.60	0.331	0.339	0.0461	0.965	0.903	1.317
303	1125	15.60	0.330	0.335	0.0461	0.967	0.905	1.317
303	1126	15.80	0.330	0.335	0.0461	0.965	0.905	1.317
303	1127	16.00	0.331	0.339	0.0458	0.962	0.900	1.307
303	1128	15.90	0.330	0.335	0.0460	0.965	0.905	1.307
303	1129	15.80	0.330	0.335	0.0454	0.956	0.894	1.293
303	1131	15.40	0.328	0.332	0.0461	0.971	0.907	1.317
303	1132	15.10	0.328	0.332	0.0463	0.974	0.909	1.317
303	1133	15.30	0.328	0.332	0.0467	0.979	0.912	1.327
303	1134	15.50	0.326	0.328	0.0459	0.968	0.905	1.307
303	1135	15.50	0.328	0.332	0.0461	0.971	0.907	1.307
303	1136	15.80	0.328	0.332	0.0451	0.952	0.889	1.278
303	1137	15.90	0.324	0.325	0.0455	0.955	0.892	1.293
303	1138	15.70	0.324	0.325	0.0463	0.974	0.909	1.317
303	1139	15.60	0.326	0.328	0.0466	0.982	0.916	1.327
303	1140	15.60	0.328	0.332	0.0472	0.992	0.925	1.336
303	1141	15.60	0.331	0.339	0.0472	0.992	0.925	1.341
303	1142	16.00	0.335	0.346	0.0474	0.994	0.925	1.346
303	1143	15.80	0.337	0.349	0.0472	0.992	0.925	1.341
303	1144	16.00	0.337	0.349	0.0468	0.983	0.916	1.327
303	1145	15.90	0.337	0.349	0.0466	0.980	0.914	1.322
303	1146	16.00	0.331	0.339	0.0466	0.979	0.912	1.317
303	1147	16.20	0.331	0.339	0.0466	0.979	0.912	1.317
303	1148	16.10	0.330	0.335	0.0468	0.982	0.914	1.322
303	1149	16.10	0.330	0.335	0.0469	0.980	0.914	1.327
303	1150	16.10	0.330	0.335	0.0472	0.988	0.920	1.336
303	1151	16.10	0.330	0.335	0.0475	0.994	0.925	1.341
303	1152	16.10	0.331	0.339	0.0475	0.995	0.925	1.346
303	1153	16.10	0.331	0.339	0.0476	0.995	0.925	1.341
303	1154	16.10	0.333	0.342	0.0474	0.994	0.925	1.341
303	1155	16.10	0.331	0.339	0.0473	0.992	0.923	1.336
303	1156	16.10	0.331	0.339	0.0472	0.991	0.920	1.331
303	1157	16.10	0.333	0.342	0.0472	0.991	0.920	1.331
303	1158	16.20	0.335	0.346	0.0471	0.988	0.918	1.327
303	1159	16.20	0.333	0.342	0.0474	0.992	0.923	1.341
303	1200	16.00	0.333	0.342	0.0473	0.991	0.920	1.336
303	1201	16.10	0.333	0.342	0.0475	0.995	0.925	1.336
303	1202	16.30	0.331	0.339	0.0474	0.994	0.923	1.336
303	1203	16.30	0.331	0.339	0.0474	0.995	0.925	1.341
303	1204	16.40	0.333	0.342	0.0474	0.995	0.923	1.341
303	1205	16.20	0.333	0.342	0.0472	0.991	0.920	1.331

RTI SUNLIGHT INTENSITY STUDY: USEPA CONTRACT NO. 68-02-2258 LUNAR DATE: 10-30-75 JULIAN DATE: 75303

JULIAN DATE	TIME (EST)	TEMP (°C)	NOB (PPM)	KIB (1/MIN)	UV (LANGLEYS/MIN)	TSR (LANGLEYS/MIN)	395 (LANGLEYS/MIN)	NIP (LANGLEYS/MIN)
303	1206	16.00	0.333	0.342	0.0474	0.992	0.920	1.331
303	1207	16.00	0.333	0.342	0.0475	0.994	0.923	1.336
303	1208	16.10	0.333	0.342	0.0472	0.989	0.918	1.327
303	1209	16.30	0.331	0.339	0.0474	0.992	0.920	1.331
303	1210	16.20	0.333	0.342	0.0473	0.991	0.918	1.327
303	1211	16.40	0.333	0.342	0.0471	0.989	0.918	1.327
303	1212	16.50	0.333	0.342	0.0469	0.985	0.914	1.327
303	1213	16.60	0.335	0.346	0.0470	0.988	0.916	1.327
303	1214	16.60	0.335	0.346	0.0471	0.988	0.916	1.327
303	1215	16.60	0.333	0.342	0.0469	0.986	0.912	1.322
303	1216	16.70	0.331	0.339	0.0467	0.983	0.909	1.312
303	1217	16.60	0.330	0.336	0.0469	0.986	0.912	1.317
303	1218	16.40	0.330	0.335	0.0467	0.982	0.907	1.317
303	1219	16.30	0.330	0.335	0.0468	0.983	0.909	1.317
303	1220	16.30	0.331	0.339	0.0466	0.982	0.907	1.317
303	1221	16.20	0.331	0.339	0.0462	0.976	0.903	1.302
303	1222	16.30	0.330	0.335	0.0464	0.979	0.905	1.302
303	1223	16.40	0.330	0.335	0.0464	0.979	0.905	1.312
303	1224	16.30	0.330	0.335	0.0464	0.977	0.905	1.312
303	1225	16.30	0.330	0.335	0.0466	0.980	0.905	1.317
303	1226	16.60	0.331	0.339	0.0466	0.982	0.907	1.322
303	1227	16.60	0.331	0.339	0.0468	0.985	0.909	1.327
303	1228	16.50	0.333	0.342	0.0467	0.983	0.907	1.327
303	1229	16.20	0.333	0.342	0.0465	0.979	0.905	1.312
303	1230	16.30	0.333	0.342	0.0464	0.979	0.903	1.312
303	1231	16.20	0.331	0.339	0.0466	0.980	0.905	1.317
303	1232	16.10	0.330	0.335	0.0465	0.979	0.903	1.317
303	1233	16.10	0.330	0.335	0.0462	0.974	0.898	1.312
303	1234	16.10	0.331	0.339	0.0463	0.977	0.900	1.317
303	1235	16.40	0.331	0.339	0.0460	0.971	0.896	1.307
303	1236	16.00	0.330	0.335	0.0463	0.977	0.900	1.322
303	1237	16.00	0.331	0.339	0.0463	0.977	0.903	1.322
303	1238	16.00	0.333	0.342	0.0461	0.971	0.898	1.312
303	1239	16.10	0.330	0.335	0.0458	0.968	0.894	1.307
303	1240	15.90	0.331	0.339	0.0455	0.962	0.889	1.302
303	1241	16.10	0.331	0.339	0.0454	0.961	0.887	1.297
303	1242	16.10	0.331	0.339	0.0453	0.959	0.885	1.297
303	1243	16.10	0.330	0.335	0.0452	0.959	0.885	1.297
303	1244	16.30	0.331	0.339	0.0453	0.959	0.885	1.302
303	1245	16.40	0.330	0.335	0.0456	0.965	0.889	1.307
303	1246	16.40	0.330	0.335	0.0455	0.962	0.887	1.307
303	1247	16.40	0.328	0.332	0.0449	0.955	0.881	1.297
303	1248	16.70	0.330	0.336	0.0451	0.958	0.883	1.307
303	1249	16.60	0.328	0.332	0.0450	0.958	0.883	1.302
303	1250	16.90	0.326	0.329	0.0450	0.955	0.883	1.307
303	1251	16.90	0.328	0.332	0.0452	0.959	0.885	1.307
303	1252	16.80	0.328	0.332	0.0447	0.952	0.878	1.297
303	1253	16.80	0.328	0.332	0.0443	0.946	0.872	1.293
303	1254	16.90	0.326	0.329	0.0443	0.944	0.869	1.293
303	1255	16.80	0.328	0.332	0.0447	0.949	0.874	1.302
303	1256	16.80	0.330	0.336	0.0445	0.947	0.872	1.302
303	1257	16.70	0.331	0.339	0.0445	0.950	0.874	1.312

RTI SUNLIGHT INTENSITY STUDY: USEPA CONTRACT NO. 68-02-2258 LUNAR DATE: 10-30-75 JULIAN DATE: 75303

JULIAN DATE	TIME (EST)	TEMP (°C)	NOB (PPM)	K1B (1/MIN)	UV (LANGLEYS/MIN)	TSR (LANGLEYS/MIN)	395 (LANGLEYS/MIN)	NIP (LANGLEYS/MIN)
303	1258	16.60	0.328	0.332	0.0445	0.950	0.874	1.317
303	1259	16.60	0.326	0.329	0.0445	0.950	0.874	1.317
303	1300	16.50	0.330	0.336	0.0444	0.949	0.874	1.317
303	1301	16.40	0.328	0.332	0.0444	0.947	0.874	1.322
303	1302	16.60	0.326	0.329	0.0444	0.949	0.874	1.327
303	1303	16.80	0.326	0.329	0.0442	0.946	0.872	1.317
303	1304	16.90	0.324	0.326	0.0442	0.946	0.872	1.322
303	1305	16.80	0.328	0.332	0.0440	0.941	0.867	1.317
303	1306	16.80	0.328	0.332	0.0441	0.943	0.869	1.322
303	1307	16.60	0.330	0.336	0.0439	0.940	0.865	1.322
303	1308	16.60	0.328	0.332	0.0436	0.934	0.861	1.317
303	1309	16.80	0.326	0.329	0.0436	0.932	0.858	1.312
303	1310	16.60	0.328	0.332	0.0433	0.931	0.856	1.307
303	1311	16.40	0.330	0.335	0.0431	0.926	0.854	1.302
303	1312	16.60	0.328	0.332	0.0430	0.922	0.850	1.297
303	1313	16.50	0.326	0.329	0.0428	0.917	0.845	1.293
303	1314	16.50	0.324	0.325	0.0425	0.914	0.841	1.288
303	1315	16.60	0.324	0.325	0.0426	0.914	0.843	1.293
303	1316	16.60	0.324	0.325	0.0428	0.917	0.845	1.302
303	1317	16.60	0.326	0.329	0.0425	0.914	0.843	1.297
303	1318	16.50	0.324	0.325	0.0424	0.913	0.841	1.302
303	1319	16.40	0.326	0.329	0.0424	0.911	0.838	1.297
303	1320	16.50	0.324	0.325	0.0422	0.908	0.836	1.297
303	1321	16.60	0.326	0.329	0.0422	0.905	0.836	1.302
303	1322	16.60	0.324	0.325	0.0420	0.902	0.834	1.302
303	1323	16.70	0.324	0.326	0.0417	0.899	0.830	1.297
303	1324	16.70	0.324	0.326	0.0417	0.899	0.832	1.302
303	1325	16.80	0.324	0.326	0.0419	0.902	0.834	1.307
303	1326	16.80	0.324	0.326	0.0417	0.901	0.834	1.307
303	1327	17.00	0.324	0.326	0.0415	0.896	0.827	1.302
303	1328	17.10	0.326	0.329	0.0412	0.890	0.823	1.293
303	1329	16.90	0.324	0.326	0.0408	0.883	0.814	1.283
303	1330	16.80	0.322	0.322	0.0401	0.872	0.805	1.268
303	1331	16.80	0.320	0.319	0.0404	0.878	0.812	1.278
303	1332	16.90	0.320	0.319	0.0401	0.872	0.805	1.268
303	1333	16.80	0.322	0.322	0.0400	0.868	0.801	1.263
303	1334	16.90	0.322	0.322	0.0402	0.874	0.808	1.278
303	1335	16.80	0.322	0.322	0.0399	0.866	0.799	1.268
303	1336	16.80	0.322	0.322	0.0394	0.857	0.792	1.259
303	1337	16.80	0.320	0.319	0.0395	0.860	0.792	1.263
303	1434	16.60	0.295	0.278	0.0303	0.699	0.648	1.234
303	1435	16.50	0.293	0.275	0.0300	0.695	0.644	1.224
303	1436	16.60	0.291	0.272	0.0298	0.689	0.637	1.220
303	1437	16.80	0.291	0.273	0.0297	0.686	0.637	1.229
303	1438	16.70	0.291	0.273	0.0295	0.683	0.633	1.229
303	1439	16.60	0.289	0.270	0.0293	0.680	0.631	1.229
303	1440	16.70	0.289	0.270	0.0291	0.674	0.624	1.215
303	1441	16.80	0.289	0.270	0.0288	0.668	0.619	1.220
303	1442	16.80	0.289	0.270	0.0285	0.663	0.615	1.210
303	1443	16.80	0.287	0.267	0.0284	0.660	0.613	1.215
303	1444	16.60	0.287	0.267	0.0281	0.651	0.604	1.200
303	1445	16.80	0.285	0.264	0.0277	0.644	0.597	1.190

RTI SUNLIGHT INTENSITY STUDY: USEPA CONTRACT NO. 68-02-2258 LUNAR DATE: 10-30-75 JULIAN DATE: 75303

JULIAN DATE	TIME (EST)	TEMP (°C)	NOB (PPM)	K1B (1/MIN)	UV (LANGLEYS/MIN)	TSR (LANGLEYS/MIN)	395 (LANGLEYS/MIN)	VIP (LANGLEYS/MIN)
303	1446	16.80	0.285	0.264	0.0278	0.647	0.602	1.210
303	1447	17.00	0.285	0.264	0.0275	0.641	0.593	1.195
303	1448	17.00	0.285	0.264	0.0273	0.638	0.591	1.195
303	1449	16.90	0.285	0.264	0.0271	0.633	0.586	1.190
303	1450	16.90	0.287	0.267	0.0268	0.627	0.580	1.186
303	1451	17.00	0.283	0.261	0.0268	0.630	0.584	1.200
303	1452	17.00	0.281	0.258	0.0264	0.620	0.573	1.190
303	1453	17.10	0.283	0.261	0.0262	0.614	0.569	1.186
303	1454	17.10	0.279	0.256	0.0262	0.615	0.569	1.190
303	1455	17.00	0.281	0.258	0.0258	0.608	0.562	1.176
303	1456	16.90	0.279	0.255	0.0256	0.602	0.555	1.171
303	1457	16.90	0.277	0.253	0.0254	0.600	0.555	1.181
303	1458	16.90	0.277	0.253	0.0252	0.595	0.549	1.171
303	1459	16.80	0.277	0.253	0.0250	0.591	0.544	1.171
303	1500	16.80	0.276	0.250	0.0249	0.589	0.544	1.171
303	1501	16.90	0.276	0.250	0.0246	0.583	0.538	1.171
303	1502	17.00	0.274	0.247	0.0244	0.579	0.533	1.166
303	1503	17.10	0.274	0.247	0.0242	0.573	0.529	1.156
303	1504	17.10	0.274	0.247	0.0240	0.571	0.527	1.166
303	1505	17.10	0.272	0.245	0.0238	0.568	0.522	1.161
303	1506	17.10	0.274	0.247	0.0236	0.562	0.518	1.161
303	1507	17.10	0.272	0.245	0.0234	0.556	0.511	1.152
303	1508	17.10	0.270	0.242	0.0232	0.553	0.509	1.156
303	1509	16.90	0.270	0.242	0.0230	0.550	0.507	1.156
303	1510	16.90	0.266	0.236	0.0228	0.546	0.502	1.152
303	1511	16.90	0.266	0.236	0.0226	0.541	0.496	1.152
303	1512	16.90	0.264	0.234	0.0223	0.534	0.489	1.142
303	1513	16.80	0.264	0.234	0.0221	0.531	0.485	1.137
303	1514	16.80	0.260	0.228	0.0219	0.528	0.482	1.142
303	1515	16.60	0.258	0.226	0.0216	0.522	0.478	1.137
303	1516	16.80	0.260	0.228	0.0214	0.516	0.471	1.132
303	1517	16.80	0.258	0.226	0.0212	0.511	0.467	1.127
303	1518	16.80	0.258	0.226	0.0210	0.507	0.462	1.122
303	1519	16.80	0.258	0.226	0.0208	0.504	0.458	1.127
303	1520	16.70	0.256	0.223	0.0206	0.498	0.454	1.122
303	1521	16.80	0.254	0.221	0.0205	0.495	0.451	1.127
303	1522	16.90	0.254	0.221	0.0202	0.489	0.445	1.122
303	1523	17.00	0.252	0.218	0.0200	0.484	0.440	1.118
303	1524	17.00	0.252	0.218	0.0197	0.480	0.436	1.118
303	1525	17.00	0.252	0.218	0.0195	0.474	0.427	1.108
303	1526	17.00	0.251	0.216	0.0194	0.471	0.425	1.108
303	1527	16.90	0.249	0.213	0.0192	0.466	0.420	1.108
303	1528	16.90	0.247	0.211	0.0189	0.460	0.414	1.103
303	1529	16.80	0.247	0.211	0.0187	0.454	0.407	1.093
303	1530	16.80	0.245	0.208	0.0185	0.450	0.403	1.093
303	1531	16.80	0.243	0.206	0.0183	0.447	0.400	1.093
303	1532	16.60	0.239	0.201	0.0181	0.445	0.396	1.098
303	1533	16.40	0.239	0.201	0.0179	0.439	0.389	1.093
303	1534	16.50	0.237	0.198	0.0176	0.433	0.383	1.084
303	1535	16.50	0.235	0.196	0.0175	0.432	0.381	1.088
303	1536	16.50	0.233	0.194	0.0173	0.424	0.374	1.079
303	1537	16.40	0.233	0.194	0.0170	0.421	0.369	1.074

RTI SUNLIGHT INTENSITY STUDY: USEPA CONTRACT NO. 68-02-2258 LUNAR DATE: 10-30-75 JULIAN DATE: 75303

JULIAN DATE	TIME (EST)	TEMP (°C)	NOB (PPM)	K1B (1/MIN)	UV (LANGLEYS/MIN)	TSR (LANGLEYS/MIN)	395 (LANGLEYS/MIN)	NIP (LANGLEYS/MIN)
303	1538	16.30	0.231	0.191	0.0168	0.415	0.363	1.064
303	1539	16.50	0.229	0.189	0.0166	0.411	0.358	1.064
303	1540	16.50	0.229	0.189	0.0164	0.406	0.352	1.059
303	1541	16.50	0.227	0.187	0.0162	0.402	0.347	1.054
303	1542	16.50	0.225	0.184	0.0160	0.397	0.341	1.054
303	1543	16.50	0.225	0.184	0.0158	0.392	0.338	1.054
303	1545	16.40	0.224	0.182	0.0153	0.383	0.327	1.045
303	1555	16.10	0.198	0.154	0.0131	0.332	0.274	0.982
303	1556	16.10	0.195	0.149	0.0129	0.329	0.270	0.986
303	1557	16.20	0.193	0.147	0.0127	0.325	0.265	0.977
303	1558	16.20	0.191	0.145	0.0125	0.319	0.259	0.967
303	1559	16.10	0.189	0.143	0.0124	0.314	0.257	0.0
303	1600	16.10	0.187	0.141	0.0121	0.308	0.250	0.957
303	1601	16.20	0.185	0.139	0.0120	0.305	0.246	0.957
303	1602	16.20	0.183	0.137	0.0118	0.299	0.241	0.948
303	1603	16.30	0.181	0.135	0.0115	0.295	0.235	0.938
303	1604	16.10	0.181	0.135	0.0114	0.292	0.232	0.938
303	1605	16.10	0.177	0.131	0.0112	0.287	0.228	0.938
303	1606	16.00	0.175	0.129	0.0111	0.284	0.228	0.948
303	1607	16.00	0.173	0.128	0.0109	0.280	0.223	0.943
303	1608	16.00	0.173	0.128	0.0107	0.274	0.217	0.928
303	1609	15.90	0.168	0.122	0.0105	0.271	0.215	0.933
303	1610	15.90	0.164	0.118	0.0104	0.269	0.212	0.943
303	1611	16.00	0.164	0.118	0.0102	0.265	0.208	0.933
303	1612	16.00	0.160	0.114	0.0099	0.260	0.206	0.928
303	1613	15.90	0.158	0.112	0.0098	0.256	0.199	0.923
303	1614	15.90	0.156	0.111	0.0096	0.251	0.197	0.923
303	1615	15.80	0.154	0.109	0.0094	0.247	0.195	0.918
303	1616	15.90	0.152	0.107	0.0093	0.242	0.190	0.909
303	1617	15.90	0.150	0.105	0.0091	0.238	0.186	0.909
303	1618	15.80	0.148	0.103	0.0089	0.233	0.184	0.904
303	1619	15.80	0.146	0.102	0.0088	0.230	0.181	0.899
303	1620	15.70	0.143	0.098	0.0086	0.226	0.177	0.894
303	1621	15.80	0.143	0.098	0.0083	0.220	0.173	0.884
303	1622	15.60	0.141	0.096	0.0082	0.215	0.168	0.879
303	1623	15.60	0.137	0.093	0.0080	0.212	0.164	0.879
303	1624	15.60	0.137	0.093	0.0079	0.209	0.162	0.875
303	1625	15.50	0.135	0.091	0.0077	0.202	0.155	0.850
303	1626	15.50	0.131	0.088	0.0075	0.197	0.150	0.841
303	1627	15.40	0.127	0.084	0.0073	0.192	0.146	0.836
303	1628	15.40	0.125	0.083	0.0072	0.188	0.144	0.831
303	1629	15.40	0.123	0.081	0.0070	0.185	0.142	0.821
303	1630	15.40	0.119	0.078	0.0068	0.179	0.137	0.816
303	1631	15.40	0.118	0.076	0.0067	0.174	0.135	0.807
303	1632	15.40	0.114	0.073	0.0066	0.170	0.133	0.797
303	1633	15.40	0.112	0.071	0.0064	0.164	0.126	0.773
303	1634	15.40	0.108	0.068	0.0062	0.159	0.124	0.763
303	1635	15.40	0.106	0.067	0.0061	0.155	0.122	0.758
303	1636	15.30	0.104	0.065	0.0058	0.150	0.119	0.753
303	1637	15.20	0.102	0.064	0.0057	0.147	0.117	0.748
303	1638	15.20	0.100	0.062	0.0056	0.144	0.113	0.739
303	1639	15.20	0.098	0.061	0.0054	0.138	0.111	0.729

KTI SUNLIGHT INTENSITY STUDY: USEPA CONTRACT NO. 68-02-2258 LUNAR DATE: 10-30-75 JULIAN DATE: 75303

JULIAN DATE	TIME (EST)	TEMP (°C)	NOB (PPM)	K1B (1/MIN)	UV (LANGLEYS/MIN)	TSR (LANGLEYS/MIN)	395 (LANGLEYS/MIN)	NIP (LANGLEYS/MIN)
303	1640	15.10	0.092	0.056	0.0053	0.135	0.106	0.714
303	1641	15.10	0.092	0.056	0.0051	0.129	0.104	0.695
303	1642	15.00	0.091	0.054	0.0049	0.125	0.100	0.685
303	1643	15.00	0.087	0.052	0.0048	0.120	0.095	0.671
303	1644	15.00	0.085	0.050	0.0047	0.116	0.093	0.661
303	1645	14.90	0.083	0.049	0.0045	0.113	0.088	0.646
303	1646	14.90	0.081	0.047	0.0044	0.108	0.086	0.641
303	1647	14.80	0.079	0.046	0.0042	0.104	0.084	0.627
303	1648	14.80	0.077	0.044	0.0041	0.101	0.082	0.617
303	1649	14.80	0.073	0.041	0.0040	0.098	0.080	0.607
303	1650	14.80	0.071	0.040	0.0039	0.095	0.077	0.598
303	1651	14.80	0.067	0.037	0.0037	0.075	0.071	0.588
303	1652	14.70	0.066	0.036	0.0036	0.086	0.071	0.573
303	1653	14.70	0.064	0.034	0.0034	0.083	0.069	0.569
303	1654	14.60	0.062	0.033	0.0033	0.078	0.064	0.554
303	1655	14.50	0.060	0.032	0.0031	0.075	0.062	0.534
303	1656	14.50	0.056	0.029	0.0030	0.072	0.060	0.520
303	1657	14.40	0.054	0.028	0.0029	0.069	0.055	0.510
303	1658	14.40	0.052	0.026	0.0029	0.062	0.053	0.500
303	1659	14.40	0.050	0.025	0.0026	0.050	0.042	0.481
303	1700	14.30	0.048	0.024	0.0026	0.038	0.033	0.462
303	1701	14.30	0.046	0.022	0.0024	0.033	0.031	0.413
303	1702	14.30	0.046	0.022	0.0023	0.029	0.027	0.282
303	1703	14.20	0.044	0.021	0.0022	0.026	0.022	0.155
303	1704	14.10	0.042	0.020	0.0021	0.024	0.022	0.131
303	1705	14.10	0.040	0.018	0.0020	0.023	0.020	0.248
303	1706	14.00	0.040	0.018	0.0019	0.024	0.022	0.214
303	1707	14.00	0.039	0.017	0.0018	0.024	0.020	0.131
303	1708	14.00	0.037	0.016	0.0017	0.021	0.018	0.131
303	1709	13.90	0.035	0.014	0.0016	0.021	0.018	0.155
303	1710	13.90	0.033	0.013	0.0015	0.020	0.018	0.165
303	1711	13.90	0.031	0.012	0.0014	0.018	0.015	0.190
303	1712	13.90	0.031	0.012	0.0013	0.017	0.013	0.180
303	1713	13.90	0.029	0.011	0.0013	0.017	0.015	0.073
303	1714	13.80	0.027	0.009	0.0012	0.015	0.013	0.019
303	1715	13.70	0.025	0.008	0.0011	0.014	0.013	0.015
303	1716	13.60	0.023	0.007	0.0011	0.015	0.013	0.019
303	1717	13.70	0.023	0.007	0.0010	0.012	0.011	0.015
303	1718	13.60	0.021	0.006	0.0009	0.012	0.011	0.015

RTI SUNLIGHT INTENSITY STUDY: USEPA CONTRACT NO. 68-02-2258 LUNAR DATE: 10-31-75 JULIAN DATE: 75304

JULIAN DATE	TIME (EST)	TEMP (°C)	NOB (PPM)	K1B (1/MIN)	UV (LANGLEYS/MIN)	TSR (LANGLEYS/MIN)	395 (LANGLEYS/MIN)	NIP (LANGLEYS/MIN)
304	716	-0.60	0.075	0.043	0.0032	0.051	0.053	0.039
304	717	-0.60	0.079	0.046	0.0034	0.053	0.053	0.053
304	718	-0.50	0.079	0.046	0.0035	0.053	0.051	0.068
304	719	-0.50	0.083	0.049	0.0036	0.056	0.060	0.175
304	720	-0.40	0.087	0.053	0.0037	0.080	0.093	0.301
304	721	-0.40	0.089	0.054	0.0039	0.131	0.142	0.350
304	722	-0.30	0.091	0.056	0.0042	0.152	0.153	0.374
304	723	-0.20	0.095	0.059	0.0044	0.156	0.157	0.413
304	724	-0.20	0.097	0.061	0.0045	0.158	0.159	0.481
304	725	-0.10	0.099	0.062	0.0046	0.162	0.164	0.578
304	726	-0.10	0.101	0.064	0.0049	0.165	0.166	0.816
304	727	0.0	0.104	0.067	0.0050	0.170	0.170	0.831
304	728	0.10	0.106	0.069	0.0051	0.173	0.173	0.836
304	729	0.10	0.108	0.071	0.0053	0.177	0.177	0.841
304	730	0.20	0.112	0.074	0.0055	0.182	0.181	0.850
304	731	0.30	0.116	0.078	0.0056	0.185	0.184	0.860
304	732	0.40	0.116	0.078	0.0058	0.191	0.188	0.865
304	733	0.50	0.120	0.081	0.0060	0.194	0.190	0.875
304	734	0.50	0.122	0.083	0.0062	0.200	0.195	0.884
304	735	0.60	0.124	0.085	0.0064	0.205	0.201	0.889
304	736	0.60	0.128	0.089	0.0076	0.208	0.201	0.894
304	737	0.70	0.130	0.090	0.0079	0.212	0.208	0.904
304	738	0.80	0.132	0.092	0.0081	0.217	0.212	0.914
304	739	0.90	0.134	0.094	0.0083	0.220	0.215	0.918
304	740	0.90	0.135	0.096	0.0085	0.226	0.219	0.918
304	741	1.00	0.137	0.098	0.0087	0.229	0.223	0.928
304	742	1.00	0.139	0.100	0.0089	0.235	0.228	0.938
304	743	1.10	0.143	0.104	0.0091	0.239	0.230	0.943
304	744	1.10	0.145	0.106	0.0093	0.244	0.235	0.952
304	745	1.20	0.147	0.108	0.0095	0.247	0.239	0.957
304	746	1.30	0.149	0.110	0.0097	0.253	0.243	0.962
304	747	1.40	0.151	0.112	0.0099	0.257	0.248	0.972
304	748	1.40	0.155	0.116	0.0102	0.262	0.252	0.982
304	749	1.50	0.157	0.118	0.0103	0.266	0.254	0.982
304	750	1.50	0.159	0.120	0.0105	0.271	0.261	0.986
304	751	1.60	0.161	0.122	0.0107	0.277	0.265	0.996
304	752	1.70	0.161	0.122	0.0109	0.280	0.268	0.996
304	753	1.80	0.165	0.126	0.0111	0.284	0.272	1.001
304	754	1.80	0.166	0.128	0.0113	0.290	0.277	1.006
304	755	1.90	0.168	0.130	0.0115	0.295	0.281	1.011
304	756	1.90	0.170	0.132	0.0118	0.299	0.285	1.016
304	757	2.00	0.172	0.135	0.0119	0.304	0.290	1.020
304	758	2.00	0.174	0.137	0.0121	0.308	0.294	1.020
304	759	2.00	0.176	0.139	0.0124	0.314	0.301	1.030
304	803	2.30	0.190	0.155	0.0132	0.331	0.316	1.050
304	804	2.30	0.194	0.159	0.0135	0.337	0.321	1.050
304	805	2.40	0.199	0.167	0.0137	0.341	0.325	1.054
304	806	2.40	0.199	0.167	0.0139	0.346	0.330	1.059
304	807	2.50	0.201	0.169	0.0140	0.350	0.332	1.064
304	808	2.50	0.205	0.174	0.0143	0.355	0.336	1.064
304	809	2.60	0.207	0.176	0.0145	0.361	0.343	1.074
304	810	2.60	0.209	0.179	0.0148	0.365	0.347	1.079

RTI SUNLIGHT INTENSITY STUDY: USEPA CONTRACT NO. 68-02-2258 LUNAR DATE: 10-31-75 JULIAN DATE: 75304

JULIAN DATE	TIME (EST)	TEMP (°C)	NOB (PPM)	K1B (1/MIN)	UV (LANGLEYS/MIN)	TSR (LANGLEYS/MIN)	395 (LANGLEYS/MIN)	NIP (LANGLEYS/MIN)
304	811	2.80	0.211	0.181	0.0150	0.370	0.350	1.084
304	812	2.80	0.213	0.184	0.0151	0.373	0.354	1.084
304	813	2.90	0.213	0.184	0.0154	0.379	0.361	1.088
304	814	2.90	0.217	0.189	0.0156	0.383	0.363	1.093
304	815	2.90	0.217	0.189	0.0159	0.388	0.369	1.098
304	816	3.00	0.219	0.192	0.0161	0.392	0.374	1.103
304	817	3.10	0.221	0.194	0.0162	0.397	0.378	1.098
304	818	3.10	0.223	0.197	0.0164	0.402	0.381	1.103
304	819	3.10	0.225	0.200	0.0167	0.408	0.387	1.113
304	820	3.20	0.227	0.202	0.0169	0.411	0.389	1.113
304	821	3.30	0.228	0.205	0.0172	0.415	0.394	1.118
304	822	3.40	0.228	0.205	0.0173	0.421	0.398	1.118
304	823	3.40	0.230	0.208	0.0175	0.426	0.403	1.122
304	824	3.40	0.234	0.213	0.0178	0.430	0.409	1.127
304	825	3.50	0.234	0.213	0.0181	0.436	0.412	1.132
304	826	3.50	0.236	0.216	0.0183	0.439	0.416	1.132
304	827	3.50	0.238	0.219	0.0185	0.444	0.420	1.137
304	828	3.50	0.240	0.222	0.0187	0.448	0.425	1.142
304	829	3.60	0.240	0.222	0.0189	0.453	0.429	1.142
304	830	3.70	0.242	0.225	0.0192	0.457	0.431	1.147
304	831	3.80	0.244	0.227	0.0194	0.462	0.436	1.152
304	832	3.80	0.246	0.230	0.0196	0.468	0.442	1.156
304	833	3.80	0.248	0.233	0.0198	0.471	0.445	1.156
304	834	3.90	0.250	0.236	0.0200	0.475	0.449	1.156
304	835	3.90	0.250	0.236	0.0202	0.480	0.454	1.161
304	836	4.00	0.252	0.239	0.0205	0.484	0.458	1.166
304	837	4.00	0.254	0.242	0.0208	0.490	0.462	1.171
304	838	4.10	0.254	0.242	0.0209	0.495	0.467	1.166
304	839	4.10	0.255	0.245	0.0211	0.498	0.471	1.171
304	840	4.10	0.257	0.248	0.0214	0.504	0.476	1.176
304	841	4.10	0.255	0.245	0.0216	0.508	0.480	1.181
304	842	4.20	0.259	0.251	0.0219	0.511	0.482	1.181
304	843	4.20	0.259	0.251	0.0221	0.517	0.487	1.186
304	844	4.20	0.261	0.254	0.0223	0.520	0.491	1.186
304	845	4.30	0.263	0.257	0.0225	0.525	0.496	1.190
304	846	4.30	0.263	0.257	0.0227	0.531	0.500	1.190
304	847	4.30	0.265	0.261	0.0230	0.532	0.504	1.195
304	848	4.40	0.267	0.264	0.0232	0.538	0.509	1.195
304	849	4.40	0.267	0.264	0.0234	0.543	0.511	1.200
304	850	4.40	0.269	0.267	0.0235	0.546	0.513	1.200
304	851	4.50	0.271	0.270	0.0238	0.550	0.520	1.200
304	852	4.50	0.271	0.270	0.0240	0.555	0.524	1.205
304	853	4.50	0.275	0.277	0.0242	0.559	0.527	1.205
304	854	4.60	0.273	0.273	0.0245	0.564	0.531	1.210
304	855	4.60	0.275	0.277	0.0247	0.567	0.535	1.210
304	856	4.70	0.275	0.277	0.0249	0.571	0.538	1.210
304	857	4.80	0.277	0.280	0.0251	0.576	0.542	1.220
304	858	4.90	0.277	0.280	0.0253	0.580	0.546	1.220
304	859	4.80	0.279	0.283	0.0256	0.585	0.551	1.220
304	900	5.00	0.281	0.287	0.0257	0.588	0.553	1.224
304	901	5.00	0.281	0.287	0.0260	0.592	0.558	1.224
304	902	5.10	0.281	0.287	0.0262	0.597	0.560	1.229

HII SUNLIGHT INTENSITY STUDY: USEPA CONTRACT NO. 68-02-2258 LUNAR DATE: 10-31-75 JULIAN DATE: 75304

JULIAN DATE	TIME (EST)	TEMP (°C)	NOB (PPM)	K1B (1/MIN)	UV (LANGLEYS/MIN)	TSR (LANGLEYS/MIN)	395 (LANGLEYS/MIN)	NIP (LANGLEYS/MIN)
304	903	5.20	0.282	0.290	0.0264	0.600	0.564	1.224
304	904	5.30	0.282	0.290	0.0266	0.606	0.571	1.229
304	905	5.40	0.282	0.290	0.0268	0.609	0.573	1.234
304	906	5.30	0.284	0.294	0.0270	0.614	0.577	1.234
304	907	5.30	0.286	0.297	0.0273	0.618	0.580	1.239
304	908	5.30	0.286	0.297	0.0275	0.621	0.584	1.239
304	909	5.40	0.286	0.297	0.0277	0.624	0.586	1.239
304	910	5.40	0.288	0.301	0.0279	0.629	0.593	1.244
304	911	5.50	0.288	0.301	0.0281	0.632	0.595	1.244
304	912	5.60	0.290	0.304	0.0282	0.635	0.597	1.239
304	913	5.70	0.290	0.304	0.0284	0.639	0.602	1.244
304	914	5.60	0.292	0.308	0.0287	0.644	0.606	1.244
304	915	5.50	0.294	0.311	0.0288	0.645	0.606	1.244
304	916	5.60	0.292	0.308	0.0291	0.650	0.611	1.249
304	917	5.80	0.294	0.311	0.0293	0.654	0.615	1.254
304	918	5.60	0.294	0.311	0.0295	0.657	0.619	1.249
304	919	5.70	0.294	0.311	0.0297	0.660	0.622	1.254
304	920	5.80	0.296	0.315	0.0299	0.663	0.626	1.254
304	921	6.00	0.296	0.315	0.0301	0.668	0.628	1.259
304	922	6.10	0.298	0.319	0.0303	0.672	0.633	1.259
304	923	6.00	0.298	0.318	0.0306	0.677	0.637	1.263
304	924	6.00	0.298	0.318	0.0307	0.680	0.642	1.254
304	925	6.10	0.300	0.322	0.0309	0.683	0.644	1.263
304	926	6.10	0.300	0.322	0.0311	0.687	0.648	1.268
304	927	6.30	0.300	0.322	0.0314	0.690	0.650	1.263
304	928	6.20	0.302	0.326	0.0315	0.693	0.653	1.263
304	929	6.30	0.302	0.326	0.0318	0.699	0.657	1.273
304	930	6.40	0.302	0.326	0.0319	0.701	0.662	1.273
304	931	6.50	0.302	0.326	0.0322	0.705	0.666	1.273
304	932	6.40	0.304	0.330	0.0324	0.708	0.668	1.273
304	933	6.30	0.306	0.333	0.0326	0.713	0.673	1.278
304	934	6.30	0.306	0.333	0.0327	0.714	0.675	1.278
304	935	6.30	0.307	0.337	0.0330	0.719	0.679	1.283
304	936	6.40	0.306	0.333	0.0332	0.723	0.684	1.283
304	937	6.50	0.307	0.337	0.0333	0.726	0.686	1.283
304	938	6.60	0.307	0.337	0.0336	0.731	0.690	1.293
304	939	6.60	0.307	0.337	0.0337	0.731	0.690	1.288
304	940	6.90	0.309	0.341	0.0338	0.734	0.695	1.288
304	941	7.00	0.309	0.341	0.0341	0.738	0.699	1.293
304	942	6.90	0.309	0.341	0.0343	0.741	0.701	1.293
304	943	6.90	0.309	0.341	0.0345	0.746	0.706	1.293
304	944	6.80	0.309	0.341	0.0346	0.747	0.706	1.288
304	945	6.80	0.309	0.341	0.0349	0.752	0.710	1.297
304	946	6.80	0.311	0.345	0.0350	0.755	0.715	1.297
304	947	6.90	0.313	0.349	0.0353	0.758	0.717	1.302
304	948	6.90	0.311	0.345	0.0354	0.759	0.719	1.293
304	949	6.90	0.311	0.345	0.0356	0.762	0.723	1.297
304	950	6.90	0.311	0.345	0.0357	0.764	0.723	1.297
304	951	6.70	0.313	0.349	0.0359	0.768	0.728	1.297
304	952	6.70	0.311	0.345	0.0360	0.770	0.730	1.297
304	953	6.60	0.313	0.349	0.0363	0.773	0.735	1.297
304	954	6.80	0.315	0.353	0.0365	0.777	0.739	1.307

ATI SUNLIGHT INTENSITY STUDY: USEPA CONTRACT NO. 68-02-2258 LUNAR DATE: 10-31-75 JULIAN DATE: 75304

JULIAN DATE	TIME (EST)	TEMP (°C)	NOB (PPM)	K18 (1/MIN)	UV (LANGLEYS/MIN)	TSR (LANGLEYS/MIN)	395 (LANGLEYS/MIN)	NIP (LANGLEYS/MIN)
304	955	7.00	0.315	0.353	0.0366	0.780	0.739	1.307
304	956	7.10	0.315	0.353	0.0367	0.782	0.741	1.302
304	957	7.30	0.317	0.357	0.0369	0.786	0.746	1.307
304	958	7.30	0.317	0.357	0.0371	0.789	0.748	1.307
304	959	7.30	0.317	0.357	0.0373	0.792	0.750	1.307
304	1000	7.30	0.317	0.357	0.0374	0.794	0.752	1.307
304	1001	7.30	0.317	0.357	0.0377	0.800	0.757	1.312
304	1002	7.30	0.319	0.361	0.0379	0.805	0.761	1.317
304	1003	7.40	0.319	0.361	0.0379	0.803	0.761	1.312
304	1004	7.40	0.321	0.365	0.0382	0.808	0.763	1.317
304	1005	7.40	0.319	0.361	0.0382	0.809	0.765	1.317
304	1006	7.50	0.321	0.365	0.0385	0.815	0.772	1.327
304	1007	7.50	0.321	0.365	0.0387	0.818	0.774	1.322
304	1008	7.60	0.321	0.365	0.0387	0.818	0.774	1.322
304	1009	7.70	0.321	0.365	0.0390	0.823	0.781	1.322
304	1010	7.60	0.321	0.365	0.0392	0.827	0.783	1.327
304	1011	7.60	0.323	0.369	0.0392	0.827	0.783	1.322
304	1012	7.70	0.323	0.369	0.0394	0.830	0.785	1.322
304	1013	7.80	0.323	0.369	0.0397	0.835	0.790	1.327
304	1014	7.90	0.323	0.369	0.0397	0.835	0.790	1.327
304	1015	7.90	0.325	0.373	0.0400	0.839	0.794	1.331
304	1016	7.90	0.323	0.369	0.0401	0.841	0.796	1.331
304	1018	8.00	0.323	0.369	0.0401	0.848	0.803	1.331
304	1019	7.90	0.325	0.373	0.0404	0.850	0.803	1.331
304	1020	7.90	0.325	0.373	0.0406	0.851	0.808	1.331
304	1021	7.90	0.325	0.373	0.0406	0.853	0.808	1.331
304	1022	7.90	0.325	0.373	0.0409	0.856	0.812	1.331
304	1023	8.00	0.323	0.369	0.0411	0.860	0.814	1.336
304	1024	8.20	0.325	0.373	0.0411	0.860	0.816	1.336
304	1025	8.30	0.325	0.373	0.0412	0.863	0.816	1.336
304	1026	8.30	0.325	0.373	0.0414	0.866	0.819	1.341
304	1027	8.30	0.324	0.373	0.0416	0.869	0.821	1.341
304	1028	8.30	0.326	0.377	0.0417	0.871	0.823	1.336
304	1029	8.20	0.324	0.373	0.0418	0.872	0.825	1.336
304	1030	8.20	0.326	0.377	0.0420	0.874	0.825	1.341
304	1031	8.40	0.324	0.373	0.0422	0.878	0.830	1.341
304	1032	8.60	0.324	0.373	0.0422	0.880	0.832	1.336
304	1033	8.40	0.326	0.377	0.0424	0.883	0.834	1.346
304	1034	8.40	0.326	0.377	0.0425	0.886	0.836	1.341
304	1035	8.40	0.326	0.377	0.0426	0.887	0.838	1.341
304	1036	8.40	0.328	0.381	0.0427	0.889	0.838	1.341
304	1037	8.40	0.328	0.381	0.0428	0.890	0.841	1.346
304	1038	8.40	0.326	0.377	0.0430	0.895	0.843	1.346
304	1039	8.60	0.328	0.381	0.0431	0.898	0.847	1.351
304	1040	8.60	0.328	0.381	0.0433	0.901	0.847	1.351
304	1041	8.80	0.330	0.385	0.0434	0.904	0.852	1.351
304	1042	8.90	0.330	0.385	0.0434	0.904	0.852	1.351
304	1043	8.90	0.328	0.381	0.0436	0.905	0.854	1.346
304	1044	8.90	0.328	0.381	0.0437	0.910	0.858	1.346
304	1045	8.90	0.330	0.385	0.0438	0.911	0.858	1.351
304	1046	8.90	0.330	0.385	0.0441	0.916	0.861	1.356
304	1047	8.80	0.330	0.385	0.0440	0.917	0.861	1.351

RTI SUNLIGHT INTENSITY STUDY: USEPA CONTRACT NO. 68-02-2258 LUNAR DATE: 10-31-75 JULIAN DATE: 75304

JULIAN DATE	TIME (EST)	TEMP (°C)	NOB (PPM)	K1B (1/MIN)	UV (LANGLEYS/MIN)	TSR (LANGLEYS/MIN)	395 (LANGLEYS/MIN)	NIP (LANGLEYS/MIN)
304	1048	8.80	0.332	0.389	0.0443	0.920	0.865	1.356
304	1049	8.60	0.334	0.394	0.0442	0.920	0.865	1.351
304	1050	8.60	0.334	0.394	0.0444	0.920	0.867	1.356
304	1051	8.50	0.334	0.393	0.0445	0.925	0.869	1.361
304	1052	8.80	0.332	0.389	0.0446	0.928	0.872	1.356
304	1053	8.90	0.334	0.394	0.0447	0.929	0.874	1.356
304	1054	8.80	0.334	0.393	0.0448	0.932	0.874	1.361
304	1055	8.80	0.334	0.393	0.0449	0.934	0.876	1.361
304	1056	8.90	0.334	0.393	0.0450	0.935	0.876	1.356
304	1057	8.60	0.334	0.393	0.0451	0.938	0.878	1.361
304	1058	8.90	0.334	0.393	0.0452	0.940	0.883	1.361
304	1059	9.00	0.336	0.398	0.0452	0.940	0.883	1.361
304	1100	8.90	0.336	0.398	0.0454	0.943	0.885	1.361
304	1101	9.00	0.338	0.402	0.0455	0.944	0.885	1.361
304	1102	9.40	0.336	0.398	0.0456	0.947	0.889	1.365
304	1103	9.50	0.338	0.402	0.0456	0.947	0.887	1.361
304	1104	9.40	0.338	0.402	0.0457	0.950	0.889	1.356
304	1105	9.40	0.340	0.407	0.0458	0.950	0.889	1.356
304	1106	9.40	0.340	0.407	0.0458	0.952	0.892	1.356
304	1107	9.40	0.340	0.407	0.0460	0.955	0.894	1.361
304	1108	9.40	0.338	0.402	0.0461	0.956	0.894	1.361
304	1109	9.40	0.336	0.398	0.0461	0.956	0.894	1.365
304	1110	9.30	0.338	0.402	0.0462	0.958	0.898	1.365
304	1111	9.20	0.336	0.398	0.0461	0.959	0.898	1.365
304	1112	9.10	0.336	0.398	0.0463	0.962	0.900	1.365
304	1113	9.30	0.336	0.398	0.0462	0.962	0.900	1.361
304	1114	9.30	0.338	0.402	0.0463	0.965	0.900	1.361
304	1115	9.40	0.338	0.402	0.0466	0.968	0.905	1.365
304	1116	9.50	0.338	0.402	0.0466	0.968	0.905	1.365
304	1117	9.60	0.336	0.398	0.0466	0.970	0.907	1.365
304	1118	9.80	0.338	0.402	0.0466	0.971	0.907	1.365
304	1119	9.90	0.338	0.402	0.0468	0.973	0.909	1.365
304	1120	10.00	0.340	0.407	0.0470	0.976	0.912	1.365
304	1121	9.90	0.340	0.406	0.0469	0.974	0.909	1.361
304	1122	9.80	0.338	0.402	0.0471	0.977	0.912	1.365
304	1123	9.90	0.340	0.406	0.0470	0.976	0.912	1.365
304	1124	9.90	0.340	0.406	0.0472	0.980	0.916	1.365
304	1125	10.00	0.341	0.411	0.0471	0.979	0.912	1.361
304	1126	10.10	0.341	0.411	0.0472	0.979	0.914	1.365
304	1127	9.90	0.341	0.411	0.0473	0.982	0.916	1.365
304	1128	9.90	0.341	0.411	0.0474	0.983	0.916	1.365
304	1129	10.10	0.341	0.411	0.0473	0.980	0.914	1.361
304	1130	10.10	0.339	0.406	0.0472	0.982	0.916	1.361
304	1131	10.10	0.339	0.406	0.0476	0.986	0.918	1.370
304	1132	10.10	0.339	0.406	0.0474	0.986	0.918	1.365
304	1133	10.20	0.339	0.406	0.0477	0.988	0.920	1.370
304	1134	10.30	0.339	0.406	0.0477	0.988	0.920	1.365
304	1135	10.10	0.339	0.406	0.0475	0.988	0.920	1.365
304	1136	10.20	0.337	0.402	0.0476	0.989	0.920	1.365
304	1137	10.40	0.337	0.402	0.0477	0.991	0.923	1.365
304	1138	10.30	0.337	0.402	0.0478	0.995	0.925	1.370
304	1139	10.10	0.339	0.406	0.0478	0.994	0.925	1.365

HTI SUNLIGHT INTENSITY STUDY: USEPA CONTRACT NO. 68-02-2258 LUNAR DATE: 10-31-75 JULIAN DATE: 75304

JULIAN DATE	TIME (EST)	TEMP (°C)	NOB (PPM)	K1B (1/MIN)	UV (LANGLEYS/MIN)	TSR (LANGLEYS/MIN)	395 (LANGLEYS/MIN)	VIP (LANGLEYS/MIN)
304	1140	10.20	0.339	0.406	0.0477	0.992	0.923	1.361
304	1141	10.30	0.339	0.406	0.0478	0.994	0.925	1.361
304	1142	10.30	0.339	0.406	0.0479	0.997	0.927	1.361
304	1143	10.20	0.339	0.406	0.0480	0.998	0.927	1.361
304	1144	10.30	0.339	0.406	0.0480	0.998	0.927	1.365
304	1145	10.30	0.341	0.411	0.0481	1.002	0.931	1.365
304	1146	10.00	0.341	0.410	0.0481	1.000	0.934	1.370
304	1147	9.70	0.341	0.410	0.0482	1.003	0.931	1.375
304	1148	9.60	0.341	0.410	0.0480	0.998	0.927	1.370
304	1149	9.60	0.341	0.410	0.0480	1.000	0.929	1.370
304	1150	10.00	0.337	0.401	0.0481	1.000	0.929	1.365
304	1151	10.20	0.339	0.406	0.0480	1.002	0.929	1.361
304	1152	10.30	0.337	0.401	0.0480	0.998	0.925	1.356
304	1153	10.30	0.339	0.406	0.0477	0.994	0.920	1.346
304	1154	10.00	0.337	0.401	0.0477	0.997	0.925	1.356
304	1155	9.90	0.337	0.401	0.0477	0.992	0.920	1.351
304	1156	10.30	0.337	0.401	0.0477	0.997	0.925	1.351
304	1157	10.50	0.337	0.401	0.0477	0.997	0.925	1.351
304	1158	10.80	0.339	0.406	0.0478	0.995	0.923	1.351
304	1159	10.80	0.337	0.401	0.0479	1.000	0.927	1.361
304	1200	10.60	0.337	0.401	0.0478	1.000	0.927	1.351
304	1201	10.50	0.339	0.406	0.0479	1.000	0.925	1.356
304	1202	10.50	0.339	0.406	0.0479	1.000	0.927	1.356
304	1203	10.60	0.339	0.406	0.0477	0.997	0.925	1.346
304	1204	10.90	0.339	0.406	0.0477	1.000	0.927	1.351
304	1205	11.00	0.337	0.401	0.0479	1.005	0.929	1.356
304	1206	11.00	0.337	0.401	0.0477	0.995	0.920	1.336
304	1207	11.00	0.337	0.401	0.0474	0.983	0.905	1.322
304	1208	11.00	0.335	0.397	0.0471	0.973	0.898	1.307
304	1209	11.00	0.335	0.397	0.0476	0.989	0.914	1.336
304	1210	10.80	0.335	0.397	0.0480	1.003	0.925	1.365
304	1211	10.90	0.337	0.401	0.0478	1.003	0.925	1.361
304	1212	10.90	0.339	0.406	0.0477	1.000	0.925	1.361
304	1213	10.80	0.337	0.401	0.0477	1.000	0.923	1.361
304	1214	10.70	0.337	0.401	0.0477	0.998	0.920	1.356
304	1215	10.80	0.339	0.406	0.0476	0.997	0.920	1.361
304	1216	10.60	0.339	0.405	0.0477	0.998	0.923	1.361
304	1217	10.80	0.337	0.401	0.0477	0.998	0.920	1.365
304	1218	11.00	0.339	0.406	0.0477	0.998	0.920	1.361
304	1219	10.90	0.339	0.405	0.0474	0.995	0.916	1.356
304	1220	10.90	0.341	0.410	0.0467	0.967	0.889	1.317
304	1221	11.00	0.337	0.401	0.0469	0.973	0.896	1.322
304	1222	11.10	0.335	0.397	0.0466	0.965	0.887	1.307
304	1223	11.10	0.335	0.397	0.0459	0.935	0.861	1.263
304	1224	10.90	0.335	0.397	0.0471	0.980	0.903	1.336
304	1225	11.10	0.335	0.397	0.0471	0.982	0.900	1.341
304	1226	11.20	0.337	0.401	0.0469	0.977	0.898	1.331
304	1227	11.30	0.335	0.397	0.0469	0.980	0.903	1.341
304	1228	11.30	0.337	0.401	0.0471	0.988	0.907	1.356
304	1229	10.90	0.339	0.405	0.0471	0.991	0.909	1.365
304	1230	10.60	0.337	0.401	0.0471	0.988	0.909	1.361
304	1231	10.60	0.339	0.405	0.0469	0.986	0.907	1.361

HTI SUNLIGHT INTENSITY STUDY: USEPA CONTRACT NO. 68-02-2258 LUNAR DATE: 10-31-75 JULIAN DATE: 75304

JULIAN DATE	TIME (EST)	TEMP (°C)	NOB (PPM)	K1B (1/MIN)	UV (LANGLEYS/MIN)	TSR (LANGLEYS/MIN)	395 (LANGLEYS/MIN)	NIP (LANGLEYS/MIN)
304	1232	10.90	0.337	0.401	0.0469	0.986	0.907	1.356
304	1233	11.10	0.337	0.401	0.0470	0.988	0.907	1.356
304	1234	11.50	0.341	0.410	0.0470	0.988	0.907	1.361
304	1235	11.50	0.341	0.410	0.0469	0.986	0.905	1.356
304	1236	11.60	0.341	0.410	0.0468	0.983	0.900	1.351
304	1237	11.60	0.341	0.410	0.0467	0.983	0.903	1.361
304	1238	11.70	0.341	0.410	0.0465	0.976	0.896	1.346
304	1239	11.70	0.341	0.410	0.0467	0.985	0.905	1.361
304	1240	11.40	0.339	0.405	0.0466	0.980	0.900	1.356
304	1241	11.50	0.339	0.405	0.0466	0.985	0.905	1.365
304	1242	11.30	0.339	0.405	0.0466	0.983	0.905	1.365
304	1243	11.00	0.337	0.401	0.0465	0.983	0.903	1.365
304	1244	11.10	0.337	0.401	0.0462	0.973	0.894	1.346
304	1245	11.00	0.337	0.401	0.0462	0.976	0.896	1.351
304	1246	11.00	0.337	0.400	0.0461	0.977	0.896	1.351
304	1247	11.30	0.337	0.401	0.0459	0.970	0.892	1.341
304	1249	11.70	0.335	0.396	0.0456	0.965	0.887	1.327
304	1250	11.90	0.337	0.401	0.0452	0.958	0.878	1.312
304	1251	11.80	0.337	0.401	0.0227	0.917	0.838	1.244
304	1252	11.50	0.333	0.392	0.0447	0.941	0.863	1.278
304	1253	11.60	0.333	0.392	0.0445	0.932	0.854	1.268
304	1254	11.50	0.333	0.392	0.0444	0.928	0.850	1.268
304	1255	11.40	0.333	0.392	0.0446	0.935	0.856	1.283
304	1256	11.40	0.335	0.396	0.0442	0.919	0.841	1.259
304	1257	11.40	0.335	0.396	0.0439	0.916	0.838	1.254
304	1258	11.70	0.335	0.396	0.0434	0.904	0.827	1.239
304	1407	12.40	0.309	0.343	0.0352	0.789	0.730	1.200
304	1410	13.00	0.303	0.331	0.0337	0.746	0.690	1.113
304	1411	13.10	0.301	0.328	0.0329	0.710	0.655	1.045
304	1412	13.10	0.300	0.324	0.0330	0.720	0.664	1.074
304	1413	12.90	0.300	0.324	0.0330	0.722	0.666	1.088
304	1414	12.80	0.300	0.324	0.0331	0.729	0.673	1.113
304	1415	12.80	0.301	0.328	0.0331	0.735	0.681	1.137
304	1416	12.80	0.301	0.328	0.0330	0.735	0.679	1.147
304	1417	12.80	0.301	0.328	0.0330	0.740	0.684	1.166
304	1418	12.90	0.303	0.331	0.0327	0.734	0.677	1.156
304	1419	13.00	0.303	0.331	0.0327	0.728	0.673	1.156
304	1420	12.80	0.303	0.331	0.0325	0.726	0.670	1.161
304	1421	12.70	0.301	0.328	0.0324	0.726	0.670	1.171
304	1422	12.70	0.300	0.324	0.0325	0.737	0.679	1.200
304	1423	12.50	0.303	0.331	0.0322	0.728	0.673	1.195
304	1424	12.60	0.301	0.327	0.0317	0.708	0.655	1.166
304	1425	12.40	0.300	0.324	0.0312	0.689	0.635	1.137
304	1426	12.40	0.296	0.316	0.0314	0.701	0.650	1.176
304	1427	12.30	0.296	0.316	0.0312	0.702	0.653	1.181
304	1428	12.60	0.298	0.320	0.0308	0.693	0.642	1.171
304	1429	12.80	0.298	0.320	0.0311	0.708	0.657	1.200
304	1430	12.70	0.298	0.320	0.0311	0.716	0.664	1.229
304	1431	13.00	0.298	0.320	0.0312	0.722	0.668	1.249
304	1432	13.00	0.300	0.324	0.0310	0.717	0.664	1.244
304	1433	13.10	0.298	0.320	0.0308	0.720	0.664	1.254
304	1434	13.10	0.298	0.320	0.0306	0.710	0.655	1.239

RTI SUNLIGHT INTENSITY STUDY: USEPA CONTRACT NO. 68-02-2258 LUNAR DATE: 10-31-75 JULIAN DATE: 75304

JULIAN DATE	TIME (EST)	TEMP (°C)	NOB (PPM)	K1B (1/MIN)	UV (LANGLEYS/MIN)	TSR (LANGLEYS/MIN)	395 (LANGLEYS/MIN)	NIP (LANGLEYS/MIN)
304	1435	13.00	0.298	0.320	0.0302	0.698	0.644	1.224
304	1436	13.10	0.300	0.324	0.0300	0.695	0.642	1.229
304	1437	13.10	0.298	0.320	0.0292	0.662	0.611	1.161
304	1438	13.00	0.294	0.313	0.0296	0.683	0.631	1.215
304	1439	12.80	0.294	0.313	0.0296	0.690	0.639	1.239
304	1440	12.80	0.294	0.313	0.0295	0.689	0.637	1.234
304	1441	12.90	0.296	0.317	0.0291	0.674	0.624	1.205
304	1442	13.00	0.292	0.309	0.0284	0.639	0.593	1.137
304	1443	13.10	0.288	0.302	0.0286	0.662	0.613	1.186
304	1444	13.10	0.288	0.302	0.0287	0.671	0.622	1.215
304	1445	12.90	0.288	0.302	0.0284	0.663	0.615	1.200
304	1446	13.00	0.288	0.302	0.0283	0.669	0.622	1.210
304	1447	13.00	0.288	0.302	0.0279	0.659	0.613	1.186
304	1448	13.20	0.286	0.299	0.0276	0.647	0.600	1.152
304	1449	13.10	0.284	0.295	0.0272	0.638	0.591	1.127
304	1450	13.00	0.282	0.292	0.0271	0.645	0.597	1.142
304	1451	12.90	0.282	0.292	0.0273	0.669	0.619	1.200
304	1452	12.80	0.284	0.295	0.0273	0.675	0.624	1.205
304	1453	13.00	0.286	0.299	0.0251	0.553	0.511	0.928
304	1454	13.00	0.278	0.285	0.0264	0.651	0.602	1.147
304	1455	13.00	0.278	0.285	0.0257	0.603	0.558	1.045
304	1456	12.90	0.276	0.282	0.0245	0.544	0.502	0.918
304	1457	12.80	0.268	0.269	0.0245	0.555	0.511	0.943
304	1458	12.80	0.259	0.253	0.0246	0.559	0.515	0.957
304	1459	12.80	0.265	0.262	0.0250	0.585	0.540	1.030
304	1500	12.70	0.266	0.265	0.0247	0.571	0.527	1.006
304	1501	12.60	0.270	0.272	0.0253	0.611	0.564	1.113
304	1502	12.50	0.272	0.275	0.0253	0.617	0.571	1.137
304	1503	12.50	0.276	0.282	0.0252	0.617	0.569	1.147
304	1504	12.70	0.276	0.282	0.0249	0.608	0.562	1.132
304	1505	12.70	0.276	0.282	0.0244	0.592	0.546	1.108
304	1506	12.80	0.272	0.275	0.0243	0.598	0.553	1.127
304	1507	12.90	0.272	0.275	0.0232	0.544	0.500	0.996
304	1508	13.10	0.268	0.269	0.0214	0.445	0.407	0.763
304	1509	13.00	0.253	0.244	0.0192	0.319	0.290	0.462
304	1510	12.90	0.235	0.218	0.0197	0.367	0.334	0.583
304	1511	12.80	0.226	0.204	0.0200	0.397	0.363	0.661
304	1512	12.70	0.228	0.207	0.0199	0.405	0.369	0.685
304	1513	12.70	0.231	0.212	0.0211	0.493	0.449	0.914
304	1514	12.80	0.241	0.226	0.0213	0.504	0.460	0.957
304	1515	12.60	0.249	0.238	0.0210	0.490	0.447	0.928
304	1516	12.50	0.249	0.238	0.0218	0.561	0.513	1.113
304	1517	12.50	0.253	0.244	0.0218	0.559	0.513	1.127
304	1518	12.40	0.261	0.256	0.0217	0.558	0.511	1.132
304	1519	12.50	0.261	0.256	0.0214	0.546	0.498	1.108
304	1520	12.70	0.259	0.253	0.0211	0.529	0.485	1.079
304	1521	12.80	0.255	0.247	0.0208	0.511	0.467	1.040
304	1522	12.80	0.255	0.247	0.0206	0.517	0.471	1.059
304	1523	12.80	0.253	0.244	0.0205	0.520	0.473	1.079
304	1524	12.90	0.251	0.241	0.0204	0.520	0.471	1.084
304	1525	12.70	0.251	0.241	0.0200	0.501	0.451	1.035
304	1526	12.60	0.249	0.238	0.0195	0.481	0.436	0.996

RTI SUNLIGHT INTENSITY STUDY: USEPA CONTRACT NO. 68-02-2258 LUNAR DATE: 10-31-75 JULIAN DATE: 75304

JULIAN DATE	TIME (EST)	TEMP (°C)	NOB (PPM)	K1B (1/MIN)	UV (LANGLEYS/MIN)	TSR (LANGLEYS/MIN)	395 (LANGLEYS/MIN)	NIP (LANGLEYS/MIN)
304	1527	12.60	0.245	0.232	0.0193	0.477	0.431	1.001
304	1528	12.70	0.241	0.226	0.0192	0.478	0.431	1.016
304	1529	12.70	0.241	0.226	0.0192	0.492	0.440	1.064
304	1530	12.60	0.243	0.229	0.0192	0.502	0.447	1.108
304	1531	12.50	0.243	0.229	0.0189	0.501	0.447	1.118
304	1532	12.50	0.243	0.229	0.0186	0.489	0.436	1.103
304	1533	12.50	0.245	0.232	0.0183	0.484	0.431	1.098
304	1534	12.50	0.241	0.226	0.0181	0.469	0.418	1.064
304	1535	12.40	0.237	0.220	0.0178	0.468	0.414	1.069
304	1536	12.50	0.235	0.218	0.0174	0.448	0.394	1.020
304	1537	12.50	0.233	0.215	0.0170	0.433	0.383	0.986
304	1538	12.60	0.230	0.209	0.0168	0.429	0.378	0.982
304	1539	12.50	0.226	0.204	0.0166	0.426	0.372	0.977
304	1540	12.50	0.224	0.201	0.0164	0.423	0.369	0.982
304	1541	12.50	0.224	0.201	0.0162	0.417	0.363	0.972
304	1542	12.40	0.222	0.199	0.0159	0.406	0.354	0.943
304	1543	12.40	0.220	0.196	0.0156	0.398	0.347	0.933
304	1544	12.40	0.216	0.191	0.0154	0.388	0.336	0.904
304	1545	12.30	0.214	0.188	0.0149	0.367	0.316	0.841
304	1546	12.30	0.210	0.183	0.0147	0.358	0.310	0.821
304	1547	12.40	0.204	0.176	0.0145	0.361	0.310	0.836
304	1548	12.50	0.202	0.173	0.0144	0.367	0.314	0.865
304	1549	12.60	0.202	0.173	0.0141	0.350	0.301	0.811
304	1550	12.60	0.202	0.173	0.0138	0.329	0.281	0.743
304	1551	12.60	0.196	0.166	0.0137	0.332	0.281	0.763
304	1552	12.60	0.194	0.163	0.0136	0.350	0.294	0.836
304	1553	12.60	0.193	0.161	0.0135	0.350	0.294	0.855
304	1554	12.60	0.194	0.163	0.0133	0.344	0.288	0.841
304	1555	12.50	0.194	0.163	0.0128	0.307	0.257	0.719
304	1556	12.50	0.189	0.156	0.0126	0.308	0.259	0.739
304	1557	12.60	0.185	0.152	0.0126	0.311	0.259	0.758
304	1558	12.50	0.185	0.152	0.0125	0.325	0.268	0.821
304	1559	12.50	0.183	0.149	0.0124	0.341	0.283	0.899
304	1600	12.40	0.185	0.152	0.0122	0.331	0.272	0.875
304	1601	12.40	0.185	0.152	0.0121	0.334	0.274	0.894
304	1602	12.40	0.185	0.152	0.0118	0.310	0.254	0.816
304	1603	12.40	0.183	0.149	0.0115	0.296	0.243	0.777
304	1604	12.30	0.177	0.143	0.0113	0.290	0.239	0.773
304	1605	12.30	0.173	0.138	0.0111	0.275	0.223	0.724
304	1606	12.30	0.169	0.134	0.0110	0.281	0.230	0.777
304	1607	12.10	0.167	0.132	0.0108	0.281	0.228	0.792
304	1608	12.00	0.167	0.132	0.0107	0.280	0.228	0.807
304	1609	12.00	0.165	0.129	0.0105	0.266	0.215	0.768
304	1610	11.90	0.163	0.127	0.0103	0.241	0.206	0.739
304	1611	11.90	0.161	0.125	0.0101	0.251	0.204	0.739
304	1612	12.00	0.158	0.121	0.0099	0.233	0.188	0.685
304	1613	12.00	0.156	0.119	0.0097	0.236	0.190	0.705
304	1614	12.10	0.154	0.117	0.0096	0.241	0.192	0.743
304	1615	12.10	0.148	0.111	0.0095	0.247	0.197	0.797
304	1616	12.20	0.150	0.113	0.0093	0.250	0.199	0.831
304	1617	12.20	0.150	0.113	0.0091	0.250	0.199	0.850
304	1618	12.20	0.148	0.111	0.0089	0.235	0.186	0.802

RTI SUNLIGHT INTENSITY STUDY: USEPA CONTRACT NO. 68-02-2258 LUNAR DATE: 10-31-75 JULIAN DATE: 75304

JULIAN DATE	TIME (EST)	TEMP (°C)	NDB (PPM)	KIB (1/MIN)	UV (LANGLEYS/MIN)	ISR (LANGLEYS/MIN)	395 (LANGLEYS/MIN)	NIP (LANGLEYS/MIN)
304	1619	12.30	0.146	0.109	0.0087	0.226	0.179	0.782
304	1620	12.30	0.142	0.105	0.0086	0.227	0.179	0.807
304	1621	12.30	0.140	0.103	0.0084	0.226	0.177	0.826
304	1622	12.30	0.138	0.101	0.0082	0.220	0.170	0.816
304	1623	12.30	0.136	0.099	0.0080	0.212	0.166	0.797
304	1624	12.30	0.132	0.095	0.0077	0.202	0.157	0.763
304	1625	12.30	0.130	0.093	0.0076	0.202	0.155	0.787
304	1626	12.20	0.128	0.091	0.0074	0.182	0.142	0.705
304	1627	12.10	0.124	0.088	0.0072	0.185	0.144	0.743
304	1628	12.10	0.121	0.084	0.0070	0.182	0.142	0.743
304	1629	12.10	0.119	0.082	0.0068	0.168	0.131	0.680
304	1630	12.10	0.115	0.079	0.0066	0.155	0.122	0.612
304	1631	12.10	0.113	0.077	0.0064	0.143	0.113	0.559
304	1632	12.00	0.107	0.071	0.0063	0.141	0.111	0.569
304	1633	12.00	0.103	0.068	0.0061	0.126	0.100	0.491
304	1634	12.00	0.101	0.066	0.0058	0.107	0.086	0.379
304	1635	11.90	0.097	0.063	0.0057	0.099	0.080	0.345
304	1636	11.80	0.091	0.058	0.0055	0.101	0.082	0.374
304	1637	11.80	0.089	0.056	0.0053	0.101	0.082	0.394
304	1638	11.80	0.088	0.055	0.0051	0.090	0.073	0.330
304	1639	11.60	0.086	0.053	0.0050	0.081	0.066	0.282
304	1640	11.50	0.082	0.050	0.0048	0.072	0.060	0.228
304	1641	11.50	0.078	0.046	0.0046	0.062	0.051	0.170
304	1642	11.50	0.074	0.043	0.0045	0.054	0.044	0.112
304	1643	11.40	0.070	0.040	0.0043	0.047	0.040	0.073
304	1644	11.30	0.068	0.039	0.0042	0.044	0.038	0.058
304	1645	11.10	0.064	0.036	0.0040	0.039	0.033	0.039
304	1646	11.00	0.062	0.034	0.0039	0.038	0.031	0.029
304	1647	10.90	0.060	0.033	0.0038	0.036	0.031	0.024
304	1648	10.80	0.058	0.031	0.0037	0.033	0.027	0.019
304	1649	10.70	0.056	0.030	0.0035	0.033	0.029	0.019
304	1650	10.50	0.054	0.028	0.0034	0.032	0.027	0.019
304	1651	10.30	0.053	0.027	0.0032	0.030	0.024	0.015
304	1652	10.00	0.051	0.025	0.0031	0.029	0.022	0.015
304	1653	9.80	0.049	0.024	0.0030	0.027	0.022	0.015
304	1654	9.60	0.047	0.022	0.0029	0.027	0.022	0.019
304	1655	9.40	0.047	0.022	0.0028	0.027	0.022	0.019
304	1656	9.20	0.045	0.021	0.0027	0.027	0.022	0.029
304	1657	9.10	0.043	0.019	0.0026	0.026	0.020	0.029
304	1658	9.00	0.041	0.018	0.0025	0.024	0.020	0.029
304	1659	8.90	0.039	0.017	0.0024	0.024	0.020	0.068
304	1700	8.90	0.039	0.017	0.0023	0.024	0.020	0.117
304	1701	8.80	0.037	0.015	0.0022	0.023	0.018	0.112
304	1702	8.70	0.035	0.014	0.0021	0.023	0.018	0.063
304	1703	8.60	0.035	0.014	0.0020	0.020	0.015	0.034
304	1704	8.50	0.033	0.012	0.0019	0.020	0.015	0.024
304	1705	8.30	0.031	0.011	0.0018	0.020	0.015	0.024
304	1706	8.20	0.029	0.010	0.0017	0.017	0.013	0.024
304	1707	8.10	0.027	0.008	0.0016	0.017	0.013	0.024
304	1708	7.90	0.027	0.008	0.0015	0.015	0.011	0.024
304	1709	7.80	0.025	0.007	0.0015	0.015	0.011	0.019
304	1710	7.70	0.023	0.006	0.0014	0.014	0.011	0.019

RTI SUNLIGHT INTENSITY STUDY: USEPA CONTRACT NO. 68-02-2258 LUNAR DATE: 10-31-75 JULIAN DATE: 75304

JULIAN DATE	TIME (EST)	TEMP (°C)	NOB (PPM)	KIB (1/MIN)	UV (LANGLEYS/MIN)	TSR (LANGLEYS/MIN)	395 (LANGLEYS/MIN)	VIP (LANGLEYS/MIN)
304	1711	7.60	0.023	0.006	0.0013	0.014	0.011	0.019
304	1712	7.60	0.021	0.004	0.0012	0.012	0.009	0.019
304	1713	7.60	0.019	0.003	0.0012	0.011	0.009	0.015
304	1714	7.50	0.018	0.002	0.0011	0.011	0.007	0.019
304	1715	7.50	0.018	0.002	0.0010	0.009	0.007	0.019

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APPENDIX D

OCTOBER 1975 LOCAL CLIMATOLOGICAL DATA

LOCAL CLIMATOLOGICAL DATA

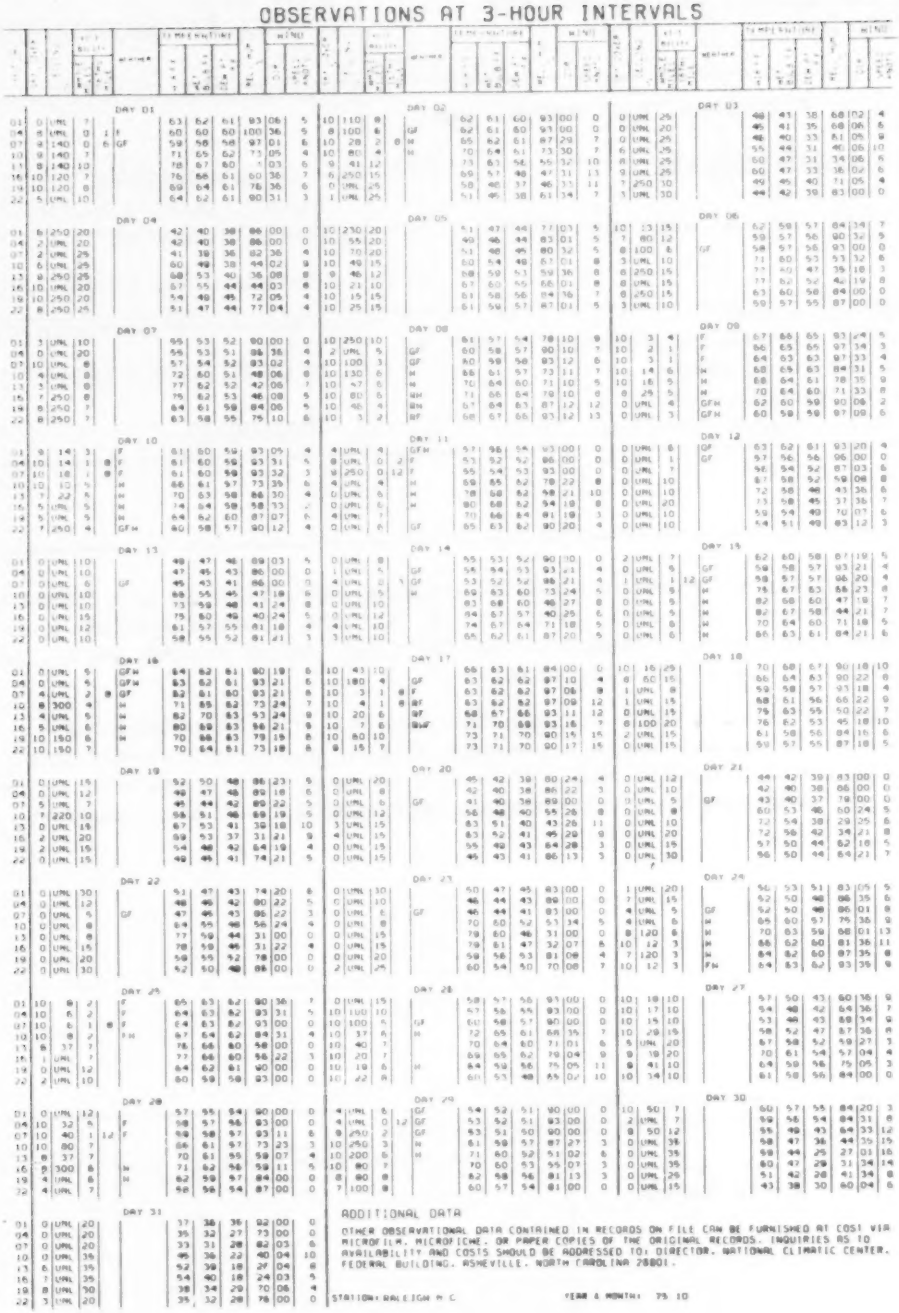
U.S. DEPARTMENT OF COMMERCE
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION
ENVIRONMENTAL DATA SERVICE

RALEIGH, NORTH CAROLINA
NAT WEATHER SERVICE FCST OFC
RALEIGH-DURHAM AIRPORT
OCTOBER 1975

LATITUDE 35° 52′ N LONGITUDE 78° 47′ W ELEVATION (GROUND) 434 FT. STANDARD TIME USED: EASTERN WBAN #13722

DATE	TEMPERATURE °F MAXIMUM	MINIMUM	AVERAGE	DEPARTURE FROM NORMAL	AVERAGE DEW POINT	DEGREE DAYS BASE 65° HEATING	COOLING	WEATHER TYPES ON DATES OF OCCURRENCE 1 FOG 2 HEAVY FOG X 3 THUNDERSTORM 4 ICE PELLETS 5 HAIL 6 GLAZE 7 DUSTSTORM 8 SMOKE, HAZE 9 BLOWING SNOW	SNOW, ICE PELLETS OR ICE ON GROUND AT 07AM IN.	PRECIPITATION WATER EQUIVALENT IN	SNOW, ICE PELLETS IN.	AVG. STATION PRESSURE IN. ELEV. 441 FEET M.S.L.	WIND RESULTANT DIRECTION	RESULTANT SPEED M.P.H.	AVERAGE SPEED M.P.H.	FASTEST MILE SPEED M.P.H.	FASTEST MILE DIRECTION	SUNSHINE MINUTES	SUNSHINE PERCENT OF POSSIBLE	SKY COVER TENTHS SUNRISE TO SUNSET	SKY COVER TENTHS MIDNIGHT TO MIDNIGHT	DATE
1	2	3	4	5	6	7A	7B	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22
1	79	58	69	3	61	0	4	2 8	0	0	0	29.59	01	5.4	6.0	10	04	366	52	9	8	1
2	76	50	63	-2	53	2	0	1 8	0	T	0	29.59	32	7.6	7.9	16	33	392	55	7	6	2
3	63	42	53	-12	35	12	0		0	0	0	29.96	05	6.2	6.5	12	34	685	97	6	4	3
4	70	38	54	-11	40	11	0		0	0	0	29.91	04	4.8	5.3	10	02	630	90	7	7	4
5	69	47	58	-6	50	7	0		0	0	0	29.81	36	7.0	7.3	13	36	84	12	10	10	5
6	80	56	68	4	54	0	3	1	0	0	0	29.68	29	1.7	4.2	9	19	632	91	7	7	6
7	78	54	66	3	53	0	1		0	0	0	29.72	06	4.9	5.6	12	09	577	83	6	6	7
8	72	58	65	2	60	0	0	1 3 8	0	.51	0	29.70	11	9.5	9.6	16	14	3	0	10	9	8
9	72	58	65	2	62	0	0	1 8	0	0	0	29.68	34	3.7	6.0	10	35	180	26	9	7	9
10	75	58	67	5	58	0	2	1 8	0	0	0	29.71	36	2.6	4.9	8	35	315	46	8	8	10
11	81	52	67	5	59	0	2	2 8	0	T	0	29.61	20	4.6	4.8	12	21	517	75	4	4	11
12	73	50	62	0	52	3	0	1	0	0	0	29.64	05	3.5	5.8	15	35	685	100	0	0	12
13	76	44	60	-1	47	5	0	1	0	0	0	29.71	21	2.6	4.5	9	24	682	100	0	0	13
14	86x	53	70	9	57	0	5	2 8	0	0	0	29.66	23	4.6	5.3	10	23	634	93	1	2	14
15	84	57	71	11	59	0	6	1 8	0	0	0	29.60	20	6.4	6.6	12	22	666	98	1	0	15
16	83	62	73x	13	62	0	8	1 8	0	0	0	29.56	21	6.4	7.3	12	21	508	75	7	6	16
17	73	61	67	7	65	0	2	1	0	.72	0	29.38	13	8.4	10.5	20	14	0	0	10	10	17
18	77	55	66	7	58	0	1		0	T	0	29.31	19	7.9	8.5	13	22	607	90	3	4	18
19	70	44	57	-2	43	8	0	1	0	0	0	29.46	20	6.7	7.1	12	18	626	93	4	2	19
20	67	39	53	-6	40	12	0	1	0	0	0	29.57	26	4.9	5.9	13	26	637	96	2	1	20
21	74	38	57	-1	41	8	0	1	0	0	0	29.63	22	4.1	4.5	9	21	665	100	0	0	21
22	81	46	64	6	46	1	0	1 8	0	0	0	29.55	22	3.1	3.2	8	21	657	99	0	0	22
23	80	44	62	4	47	3	0	1	0	0	0	29.64	06	2.5	3.2	8	08	661	100	0	1	23
24	73	49	61	4	56	4	0	1 8	0	T	0	29.69	36	9.6	9.9	15	01	279	42	7	7	24
25	78	59	69	12	61	0	4	1 8	0	T	0	29.58	32	2.0	2.7	8	34	319	49	6	6	25
26	73	56	65	8	57	0	0	1 8	0	0	0	29.54	03	5.8	6.2	15	03	50	8	10	9	26
27	73	53	63	7	49	2	0		0	0	0	29.66	36	5.4	6.2	13	36	334	51	7	8	27
28	73	55	64	8	56	1	0	1 8	0	0	0	29.75	11	1.8	2.6	7	13	298	46	8	7	28
29	73	52	63	7	53	2	0	1 8	0	T	0	29.67	04	.9	2.2	7	11	25	4	10	8	29
30	61	39	50	-5	38	15	0		0	0	0	29.70	35	10.1	11.8	18	01	547	85	2	2	30
31	55	32x	44x	-11	26	21	0		0	0	0	29.94	04	4.7	4.8	14	04	624	97	4	3	31

OBSERVATIONS AT 3-HOUR INTERVALS



NOTES

CEILING COLUMN-
UNL - NO DATA OR UNLIMITED CEILING

WEATHER COLUMN-

- 0 - UNKNOWN
- 1 - THUNDERSTORM
- 2 - SQUALL
- 3 - RAIN
- RW - RAIN SHOWERS
- ZR - FREEZING RAIN
- L - DRIZZLE
- ZL - FREEZING DRIZZLE
- S - SNOW
- SP - SNOW PELLETS
- IP - ICE CRYSTALS
- SW - SNOW SHOWERS
- SG - SNOW GRAINS
- IP - ICE PELLETS
- W - MIST
- F - FOG
- IF - ICE FOG
- GF - GROUND FOG
- BD - BLOWING DUST
- BN - BLOWING SAND
- BS - BLOWING SNOW
- BY - BLOWING SPRAY
- K - SMOKE
- H - HAZE
- D - DUST

WIND COLUMNS-

DIRECTIONS ARE THOSE FROM WHICH THE WIND BLOWS. INDICATED IN TENS OF DEGREES FROM TRUE NORTH; I.E., 09 FOR EAST, 18 FOR SOUTH, 27 FOR WEST. ENTRY OF 00 IN THE DIRECTION COLUMN INDICATES CALM.

SPEED IS EXPRESSED IN KNOTS; MULTIPLY BY 1.15 TO CONVERT TO MILES PER HOUR.

ADDITIONAL DATA

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